

# Physics Abstracts

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## SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronics Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

### Author index

This lists in alphabetical order all authors of papers abstracted in the abstracts journal during the six months covered by the index, together with the title of the paper. Where there are co-authors of a paper the title of the paper is given only under the name of the first author. The serial number of the paper in the abstracts journal is in the form 3-12345, ie 1973—abstract no. 12345.

### 'Small' indexes

These are specialised indexes which allow the user to find quickly particular types of information which might be difficult to find using the subject or author indexes.

#### Bibliography index

In this index reference is made to articles which contain a significant list of references or bibliography on the subjects listed.

#### Book index

This gives details of books received and abstracted by the abstracts journal.

#### Patent and Report indexes

These give details of those reports or patents which have been abstracted in the abstracts journal during the past six months.

#### Conference index

This index lists conferences for which published proceedings have been received and abstracted. Reference is given to the individual papers and their serial numbers in the abstracts journal.

### Subject index

The Subject index provides an alphabetical subject key to the articles included in the abstracts journal. Some general guidance on its use is given below:

1. Look in the index for the name of the specific subject in which you are interested. In most cases this name will be a heading in the index and you will find relevant articles listed under it.
2. Occasionally you will be directed from the subject heading chosen to a different heading under which the relevant or additional articles are listed.
3. If you do not find the subject heading you first choose, try a more general heading.
4. Each entry under the heading relates to an article appearing in the abstracts journal and gives the serial number of that article in the journal preceded by the last digit of the current year, eg 3—12345: ie Abstract number 12345 in the abstracts journal for 1973.



# Physics Abstracts

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## Author Index



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## Errata for July-Dec 1973

### Physics Abstracts

Entry 36055 of 1973: second and third lines should read:

$\text{HCl } (v=2) + \text{HCl } (v=0) \rightarrow 2\text{HCl } (v=1)$ ,  $k_e = 1.0 \times 10^5 \text{ sec}^{-1} \text{ torr}^{-1}$ , and  
 $\text{H}^{35}\text{Cl } (v=1) + \text{H}^{37}\text{Cl } (v=0) \rightarrow \text{H}^{35}\text{Cl } (v=0) + \text{H}^{37}\text{Cl } (v=1)$ ,  $k_e = 6.2 \times 10^{-5} \text{ sec}^{-1} \text{ torr}^{-1}$ , have been measured following direct

Entries 26143, 26347 and 26652 of 1973 should be disregarded (for correct journal references see Entries 16722, 17107 and 17416 respectively)



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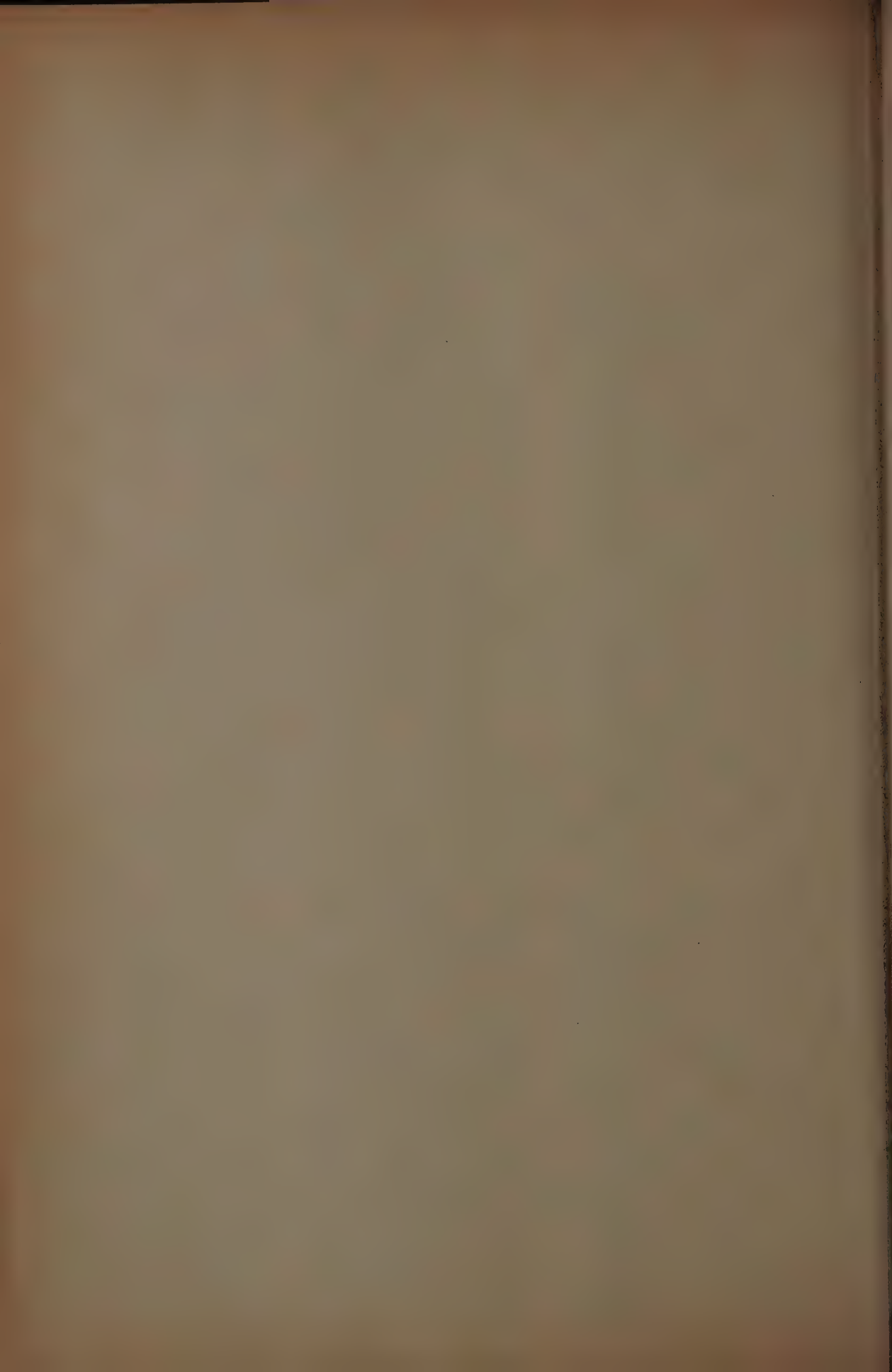


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- Magnetism and magnetic materials, Denver, Colo., USA, 28 Nov. - 1 Dec. 1972, (*IEEE; American Inst. Phys.*), 41308 (Introductory abstract), 40984-6, 41124, 41245, 41309, 41320-2, 41331-3, 41341, 41348, 41352-3, 41386, 41392, 41395-6, 41411-24, 41431, 41441, 41448, 41451, 41525, 41796, 42929, 43763, 43953, 44021-3, 44048, 44093, 44176, 44180, 44183-7, 44192-4, 44199-200, 44210, 44212-3, 44219, 44232-53, 44276-7, 44281-95, 44297, 44396, 44528-9, 44558, 44694, 45742, 46619, 46791-2, 46805, 46833, 46859, 46946-9, 46954, 46968-9, 46977-8, 46982-4, 46986-90, 46998-7000, 47010-2, 47016-38, 47055-63, 47071-2, 47077-9, 47087-96, 47108, 47112-7, 47129, 47147, 47152, 47175-6, 47226, 47230-3, 47242-3, 47281, 50183, 50198, 50221, 50312-13, 50317, 50332-5, 50344-5, 50348, 50354-5, 50360, 50369-73, 50381, 50399-405, 50425, 50427, 50444, 50480, 50490, 50561-2, 51299, 52856, 53085, 53585, 55425, 55478, 55556-7, 58233, 58352, 58360, 58366, 58369, 58388, 58404, 58406, 58415, 60869, 60950, 60954, 60963, 60970, 60982, 62181, 64446-7, 64467, 64472, 64476, 64480, 64491-2, 64494, 64501-8, 64512-3, 64529-30, 64559-61, 64636-7, 64673, 64693, 68556, 68742, 68775, 68786
- Magnetism in alloys, Boston, Mass., USA, 10 May 1972, (*Metall. Soc. AIME*), 46942 (Introductory abstract), 46944-5, 46975-6, 47053-4, 47070
- Magnitudes and temperatures of stars, Geneva, Switzerland, 12-15 Sept. 1972, (*Internat. Astron. Union*), 81064 (Introductory abstract), 80979-80, 81039-40, 81065-89, 81185-7, 81256-8
- Marine instrumentation, Cocoa Beach, Fla., USA, 31 Jan. - 2 Feb. 1973, (*ISA*), 80876 (Introductory abstract), 80877-83
- Mass transport in amorphous solids, Sheffield, Yorks., England, 10-11 Jan. 1973, (*Soc. Glass Technol., Electrochemical Soc.*), 68445 (Introductory abstract), 66463, 67880, 68446-7, 68907, 69471
- Mathematics of contemporary physics, London, England, 23 Aug. - 11 Sept. 1971, (*NATO*), 77771 (Introductory abstract), 77772-4, 77872, 77904-5, 78097-9



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- Inst. Theoretical Astrophys., Blindern, Oslo**
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- Ist. di Chimica Generale ed Inorganica Univ. degli Studi, Bari, Italy**
- (Unnumbered), Equilibrium compositions and thermodynamic properties of mixed plasmas. II. Argon-hydrogen plasmas at  $10^{-2}$ - $10^3$  atmospheres between 2000K and 35000K, 71855
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- NASA, Moffett Field, Calif., USA**
- NASA-TM-X-62181, Separation and communications geometry analysis for a Jupiter entry probe from a Pioneer spacecraft, 42266
- Nat. Bur. Stand., Washington, D.C., USA**
- NBS Mono 25-Section 10, Standard X-ray diffraction powder patterns, 49801
- NBS Spec Publ 260-44, Preparation and use of superconductive fixed point devices, SRM 767, 51511
- NBS Spec Publ 373, Bibliography of temperature measurement Jan. 1953-Dec. 1969, 42540
- NBS Spec Publ. 370, Research and testing facilities of the engineering mechanics section, Nat. Bur. Stand., Washington, D.C., 65063
- NBS Spec. Publ. 366, Bibliography on atomic line shapes and shifts 1889-Mar. 1972, 52259
- NBS Spec. Publ. 380, Photoneutron reaction data, 1973, 57510
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- NBS TN 631, Thermophysical properties of helium-4 from 2 to 1500 K with pressures to 1000 atmospheres, 60822
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- Nat. Engng. Lab., East Kilbride, Scotland**
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- NEL 547, Longitudinal shear characteristics of unidirectional carbon fibre composites, 64997
- NEL Rep No.517, The structure and properties of warm extruded austenitic stainless steels, 50749
- NIM-1503, Fast-neutron-activation analysis for the determination of oxygen in rock samples, 70494
- Nat. Inst. Metall., Johannesburg, S.Africa**
- NIM-1530, Aureol—An X-ray-absorption analyser for the determination of the uranium on loaded resin in ion-exchange plants, 70495
- Rept. 1457, Phase equilibria in the Cr-Fe-Si-C system in the composition range representative of high-carbon ferrochromium alloys produced in South Africa, 50688
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- Nat. Phys. Lab., Teddington, England**
- IMS Rep-18, The development of composite carbon fibres of large diameter jumbo fibres, 50777
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- QU-26, The gyromagnetic ratio of the proton [absolute value of the ampere], Progress report, 61982
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- Phys.-Tech. Bundesanstalt, Braunschweig, Germany**
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- PTB-W-2, Changes in the Elashberg function and transition temperature due to strong lattice defects produced by quenching condensation of non-transition metal films. II, 55358
- ptb-w-1, Changes in the Elashberg function and transition temperature due to strong lattice defects produced by quenching condensation of non-transition metal films. I, 55357
- Rensselaer Polytech. Inst., Troy, N.Y., USA**
- TR-6, Elastic surface waves guided by curved thin films, 41081
- Royal Greenwich Observatory, Sussex, England**
- Greenwich Time Report, Royal Greenwich Observatory time and latitude service 1972 Jan-Mar, 51321
- (unnumbered), Royal Greenwich Observatory Time and Latitude Service 1972 July-September, 61756
- Rutherford High Energy Lab., Chilton, Berks., England**
- RHEL/R258, The indirect cooling of a superconducting magnet using supercritical helium, 56651
- RHEL/R262, A survey of position sensitive detectors and multi-counter arrays with particular reference to thermal neutron scattering, 56940
- RHEL/R263, Nimrod operation and development quarterly report Jul. 1-Sept. 30 1972, 48497
- RHEL/R266, A low temperature thermal conductivity apparatus and some typical data, 56650
- RHEL/R 249, Irradiation damage studies of some epoxy resin systems of reduced viscosity, 50786
- RHEL/R-265, The impregnation of superconducting windings with epoxy resins. II. Resin data, 58786
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- RL-73-002, Nimrod operation and development quarterly report Jan 1-Mar 31 1973, 70341
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 RPP/H/104, Measurements of  $K^+p$  elastic scattering differential cross sections in the incident momentum range 1368-2259 MeV/c, 60032  
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 RPP/T/50, Purely hadronic weak interactions in unified field theories of the weak and electromagnetic interactions, 62803  
 rpp/H/103, A possible explanation for the structures seen in antiproton-proton, nucleon nucleon, and  $K^+$  proton total cross-sections, 45905
- Scottish Res. Reactor Centre, East Kilbride, Scotland**  
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- Smithsonian Inst. Astrophys. Obs., Cambridge, Mass., USA**  
 SAO Spec. Rep. 349, A new method to compute lunisolar perturbations in satellite motions, 59247, 65129, 65225, 65405  
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 SAO Spec. Rept 350, Telescope catalog of ultraviolet stellar observations magnetic tape version, 77077
- Stanford Res. Inst., Menlo Park, Calif., USA**  
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- UKAEA, Aldermaston, Berks., England**  
 AWRE O 22/73, Stress corrosion testing using a potentiostatic dynamic strain technique, 61247  
 AWRE O 65/72, Some seismic results of the CANNIKIN underground explosion at Amchitka, Aleutian Islands, 44837  
 AWRE/LIB/BIB/25, AWRE Library bibliography No.25. List of unclassified publications and AWRE reports by staff of the Weapons group published during the year 1972, 73627
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University of Bergen. Distribution address: Box 307, Blindern, Oslo 3, Norway

**Abh. Braunsch. Wiss. Ges. (Germany)**

*Abhandlungen der Braunschweigischen Wissenschaftlichen Gesellschaft*  
Publisher: Friedr. Vieweg, Braunschweig, Germany

**ABU Tech. Rev. (Japan)**

*ABU Technical Review* Asian Broadcasting Union, NHK Building, 2-3 Uchisaiwai-cho, 2-chome, Chiyoda-ku, Tokyo 100, Japan

**Accountant (GB)**

*Accountant* 151 Strand, London, WC2R 1JJ, England

**ACEC Rev. (Belgium)**

*ACEC Review* Ateliers de Constructions Electriques de Charleroi, Avenue Emile Rousseau, Marcinelle-Charleroi, Belgium

**Achats & Entretien Mater. Ind. (France)**

*Achats et Entretien du Materiel Industriel* 13 Rue de Liege, Paris 9, France

**Acqua (Italy)**

*L'Acqua* Associazione Idrotecnica Italiana, Via dei Sabini 7, 00187 Roma, Italy

**Acta Astron. (Poland)**

*Acta Astronomica* ARS Polona-Ruch, Warszawa 1, P.O. Box 154, Poland

**Acta Cient. (Argentina)**

*Acta Cientifica* Instituto de Investigaciones Cientificas y Tecnicas de las Fuerzas Armadas (CITEFA), Tres de Febrero 1250, San Martin, Buenos Aires, Argentina

**Acta Crystallogr. A (Denmark)**

*Acta Crystallographica Section A: Crystal Physics, Diffraction, Theoretical and General Crystallography* Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Copenhagen K, Denmark

**Acta Crystallogr. B (Denmark)**

*Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry* Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Copenhagen K, Denmark

**Acta Electron. (France)**

*Acta Electronica* 3 Avenue Descartes, BP 15, 94 Limeil-Brevannes, (Val-de-Marne), France

**Acta Geophys. Pol. (Poland)**

*Acta Geophysica Polonica* Export-Import Enterprise 'RUCH', ul. Wilcza 46, Warszawa 1, Poland

**Acta Inf. (Germany)**

*Acta Informatica* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany

**Acta Manilaana A (Philippines)**

*Acta Manilaana. Series A* University of Santo Tomas Research Centre, Manila, Philippines

**Acta Mech. (Austria)**

*Acta Mechanica* Springer-Verlag, Molkerbastei 5, 1010 Wien, Austria

**Acta Metall. (USA)**

*Acta Metallurgica* Box 1088 Schenectady, NY. Publisher: Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA

**Acta Mex. Cienc. & Tecnol. (Mexico)**

*Acta Mexicana de Ciencia y Tecnologia* Consejo Editorial del Instituto Politecnico Nacional, Prolongacion de Diaz Miron y Plan de San Luis, Mexico 17, D.F., Apartado Postal 42-61, Mexico

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*Acta Physica Academiae Scientiarum Hungaricae* Postafiók 24, Budapest 502. Subscription address: 'Kultura', Foreign Trade Company for Books and Newspapers, Fo utca 32, Budapest 1, Hungary

**Acta Phys. Austriaca**

*Acta Physica Austriaca* Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

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*Acta Physica Polonica A* ARS Polona-Ruch, Warszawa 1, P.O. Box 154, Poland

**Acta Phys. Pol. B (Poland)**

*Acta Physica Polonica B* ARS Polona-Ruch, Warszawa 1, P.O. Box 154, Poland

**Acta Phys. Slovaca (Czechoslovakia)**

*Acta Physica Slovaca* Formerly: *Fyz. Cas. (Czechoslovakia)* Publishing House of the Slovak Academy of Sciences. Subscription address: PNS, Bratislava, Gottwaldovo nam. 48/VII. Czechoslovakia

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*Acta Physiologica Polonica* Panstwowy Zaklad Wydawnictw Lekarskich, Warszawa, UL Długa 38-40, Poland

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*Acta Politecnica Mexicana* Instituto Politecnico Nacional, Apartado Postal 42-161, Mexico 17 D.F., Mexico

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*Acta Polytechnica. Series III* Elektrotechnicka fakulta CVUT v Praze, Technicka ul. 2, Praha 6-Dejvice, Czechoslovakia

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*Acta Polytechnica Scandinavica* Finnish Academy of Technical Sciences, Lonnrotinkatu 37, 00180 Helsinki 18, Finland

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*Acta Technica Academiae Scientiarum Hungaricae* Magyar Tudományos Akademia, Alkotmany utca 21, Budapest 5, Hungary

**Acta Tech. CSAV (Czechoslovakia)**

*Acta Technica Ceskoslovenska Akademie Ved* Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia. John Benjamins N.V., Periodical Trade, Warmoesstraat 54, Amsterdam, Netherlands

**Acustica (Germany)**

*Acustica* S. Hirzel Verlag K-G, Postfach 347, 7 Stuttgart-N, Germany

**Adhes. Age (USA)**

*Adhesives Age* Palmerton Publishing Co., 101 West 31st Street, New York, N.Y. 10001, USA

**ADL-Nachr. (Germany)**

*ADL-Nachrichten* 23 Kiel 14, Boldhorn 1a, Germany

**Adv. Appl. Probab. (GB)**

*Advances in Applied Probability* University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

**Adv. At. & Mol. Phys. (USA)**

*Advances in Atomic and Molecular Physics* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**Adv. Phys. (GB)**

*Advances in Physics* Taylor & Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England

**Adv. Polym. Sci. (Germany)**

*Advances in Polymer Science (Fortschritte der Hochpolymeren Forschung)* Springer-Verlag, 1000 Berlin 33, Heidelberger Platz 3, Germany

**Advance (GB)**

*Advance* University of Manchester, Bureau of Industrial Liaison, P.O. Box No. 88, Sackville Street, Manchester 1, England

**AECL Res. & Dev. Eng. (Canada)**

*AECL Research and Development in Engineering* Formerly: *AECL Res. Eng. (Canada)* Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratories, Chalk River, Ontario, Canada

**AECL Res. Eng. (Canada)**

*AECL Research in Engineering* Title changed to: *AECL Res. & Dev. Eng. (Canada)*

**AEDS J. (USA)**

*AEDS Journal* Association for Educational Data Systems, 1201 16th Street, N.W., Washington, D.C. 20036, USA

**AEDS Monit. (USA)**

*AEDS Monitor* Association for Educational Data Systems, 1201 16th Street, N.W., Washington, D.C. 20036, USA. Association for Educational Data Systems, 1201 Sixteenth Street, N.W., Washington, D.C. 20036

**AEI Electron Microsc. News (GB)**

*AEI Electron Microscope News* AEI Scientific Apparatus Ltd., P.O. Box 1, Harlow, Essex, England. Apr 1972

**Aeronaut. & Astronaut. (France)**

*L'Aeronautique et l'Astronautique* Editions Air et Cosmos, 13 Rue Alphonse-de-Neuville, Paris 17e, France

**Aeronaut. J. (GB)**

*Aeronautical Journal* Royal Aeronautical Society, 4 Hamilton Place, London, W1V 0BO, England

**Aeronaut. Q. (GB)**

*Aeronautical Quarterly* Royal Aeronautical Society 4 Hamilton Place, London, W1V 0BO, England

**Aerotec. Missil & Spazio (Italy)**

*L'Aerotecnica Missili e Spazio* Via Stradivari, 10-20131 Milano, Italy

- AEU (Japan)**  
*AEU (Journal of Asia Electronics Union)* Formerly: *JAEU (Japan)* Dempa Publications Inc., 11-15 Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan
- Agric. Eng. (USA)**  
*Agricultural Engineering* American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, Mich. 49085, USA
- AIAA J. (USA)**  
*AIAA Journal* American Institute of Aeronautics and Astronautics, 190 Avenue of the Americas, New York, N.Y. 10019, USA
- AIChE J. (USA)**  
*J. Ch. E. Journal* American Institute of Chemical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- AIIE Trans. (USA)**  
*AIIE Transactions* American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, Ga. 30071, USA
- AIP Conf. Proc. (USA)**  
*AIP Conference Proceedings* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA
- Air Force Res. Rev. (USA)**  
*Air Force Research Review* AFSC/DLLT, Andrews Air Force Base, Washington, D.C. 20331, USA
- Air-Espace Tech. (France)**  
*Air-Espace Techniques* Editions PDP, 11 rue Tronchet, Bureau 743, Paris 8, France
- Aircr. Eng. (GB)**  
*Aircraft Engineering* Bunhill Publications Ltd., 4 Ludgate Circus, London, EC4, England
- Aktual. Probl. Inf. & Dok. (Poland)**  
*Aktualne Problemy Informacji i Dokumentacji* Centralny Instytut Informacji i Naukowo Technicznej i Ekonomicznej, Warszawa, al Niepodleglosci 188, Poland
- Akust. Zh. (USSR)**  
*Akusticheski Zhurnal* Akademiy Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Sov. Phys. Acoust. (USA)*]
- Albiswerk-Ber. (Switzerland)**  
*Albiswerk-Berichte* Title changed to: *Siemens-Albis Ber. (Switzerland)*
- ALGOL Bull. (GB)**  
*ALGOL Bulletin* Editor, ALGOL Bulletin, 3 Elles Avenue, Merrow, Guildford, Surrey, England
- Algorytmy (Poland)**  
*Algorytmy* Instytut Maszyn Matematycznych, Warszawa, Poland
- Allis-Chalmers Eng. Rev. (USA)**  
*Allis-Chalmers Engineering Review* Milwaukee, Wis. 53201, USA
- Alta Freq. (Italy)**  
*Alta Frequenza* Ufficio Centrale AEI-CEI, Viale Monza 259, 20126 Milano, Italy
- Alta Freq. Suppl. (Italy)**  
*Alta Frequenza Supplemento* Issued with: *Alta Freq. (Italy)*
- Am. Ceram. Soc. Bull. (USA)**  
*American Ceramic Society Bulletin* 4055 North High Street, Columbus, Ohio 43214, USA
- Am. Educ. Res. J. (USA)**  
*American Educational Research Journal* American Educational Research Association, 1126 Sixteenth Street N.W., Washington, D.C. 20036, USA
- Am. J. EEG Technol. (USA)**  
*American Journal of EEG Technology* Graphic Arts Printers, 820 North 4th Street, Phoenix, Ariz. 85004, USA
- Am. J. Optom. & Arch. Am. Acad. Optom. (USA)**  
*American Journal of Optometry and Archives of American Academy of Optometry* American Journal of Optometry Publishing Association, 500 Foshay Tower, Minneapolis, Minn. 55402, USA
- Am. J. Phys. (USA)**  
*American Journal of Physics* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA
- Am. J. Phys. Med. (USA)**  
*American Journal of Physical Medicine* Williams and Wilkins Co., 428 East Preston Street, Baltimore, MD 21202, USA
- Am. J. Sci. (USA)**  
*American Journal of Science* Kline Geology Laboratory, Yale University, Box 2161, New Haven, Conn. 06520, USA
- Am. Mineral. (USA)**  
*American Mineralogist* Mineralogical Society of America, 2201 M Street, N.W., Washington, D.C. 20037, USA
- Am. Sci. (USA)**  
*American Scientist* Society of Sigma Xi, 155 Whitney Avenue, New Haven, Conn. 06510, USA
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*Anais da Academia Brasileira de Ciencias* Caixa Postal 229, ZC-00 Rio de Janeiro gb, Brazil
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*Anales de Fisica* Real Sociedad Espanola de Fisica y Quimica (Facultad de Ciencias), Ciudad Universitaria, Madrid-3, Spain
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*Anales de Mecanica y Electricidad* Reina 31, Madrid-4, Spain
- An. Stiint. 'Al. I. Cuza' Iasi (Ser. Noua) I (Romania)**  
*Analele Stiintifice ale Universitatii 'Al.I.Cuza' din Iasi (Serie Noua). Sectiunea I Fizica* Calea 23 August, Iasi, Romania
- Anal. Adv. (USA)**  
*Analytical Advances* Hewlett Packard Co., Avondale, Pa. 19311, USA
- Anal. Chem. (USA)**  
*Analytical Chemistry* American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA
- Angew. Elektron. Mess & Regeltech. (Germany)**  
*Angewandte Elektronik, Mess & Regeltechnik* Sprechsaal-Verlag, 8630 Coburg, Mauer 2, P.O. Box 401, Germany
- Angew. Inf. (Germany)**  
*Angewandte Informatik (Applied Informatics)* Friedr. Vieweg & Sohn, 3300 Braunschweig, Burgplatz 1, Postfach 185, Germany
- Ann. Acad. Sci. Fenn. AI (Finland)**  
*Annales Academiae Scientiarum Fennicae, Series AI (Mathematica)* Snellmaninkatu 9-11, 00170 Helsinki 17, Finland
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*Annales Academiae Scientiarum Fennicae, Series AVI (Physica)* Snellmaninkatu 9-11, 00170 Helsinki 17, Finland
- Ann. Assoc. Int. Calcul Analogique (Belgium)**  
*Annales de l'Association Internationale pour le Calcul Analogique* Publisher: Presses Academiques Europeennes, 98 Chaussee de Charleroi, Bruxelles 1060, Belgium
- Ann. Fac. Sci. Univ. Toulouse (France)**  
*Annales de la Faculte des Sciences de l'Universite de Toulouse* Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
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*Annali di Geofisica* Istituto Nazionale di Geofisica, Citta Universitaria, 00185 Roma, Italy
- Ann. Geophys. (France)**  
*Annales de Geophysique* Service des Publications du CNRS, 15 Quai Anatole-France, Paris 7, France
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*Annales de l'Institut Henri Poincare, Section B (Calcul des Probabilites et Statistique)* 11 Rue Pierre-Curie, Paris 5, France
- Ann. Phys. (France)**  
*Annales de Physique* Masson, 120 Boulevard Saint-Germain, Paris 6, France
- Ann. Phys. (Germany)**  
*Annalen der Physik* J.A.Barth, Salomonstrasse 18B, Leipzig 701, Germany
- Ann. Phys. (USA)**  
*Annals of Physics* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA
- Ann. Sci. (GB)**  
*Annals of Science* Taylor & Francis, 10-14 Macklin Street, London, WC2B 5NF, England
- Ann. Soc. Sci. Brux. I (Belgium)**  
*Annales de la Societe Scientifique de Bruxelles, Serie I, Sciences Mathematiques, Astronomiques et Physiques* Rue de Bruxelles 61, B5000 Namur, Belgium
- Ann. Telecommun. (France)**  
*Annales des Telecommunications* Centre National d'Etudes des Telecommunications, 38 rue du General Leclerc, 92 Issy-les-Moulineaux (Seine), France
- Ann. Tokyo Astron. Obs. (Japan)**  
*Annals of the Tokyo Astronomical Observatory* University of Tokyo, Mitaka, Tokyo, Japan
- Ann. Univ. Turku. AI (Finland)**  
*Annales Universitatis Turkuensis, Ser AI (Astronomica-Chemica-Physica-Mathematica)* Turun Yliopisto, Turku, Finland
- Annu. Inst. Mec. Appl. & Electrotech. (Bulgaria)**  
*Annuaire de l'Institut de Mecanique Appliquee et d'Electrotechnique* Title changed to: *Izv. Vmei 'Lenin' (Bulgaria)*
- Annu. Proc. Assoc. Sci. & Tech. Soc. S. Afr. (S. Africa)**  
*Annual Proceedings of the Associated Scientific and Technical Societies of South Africa* Kelvin House, Marshall and Holland Streets. PO Box 5907, Johannesburg, South Africa
- Annu. Rep. Eng. Res. Inst. Fac. Eng. Univ. Tokyo (Japan)**  
*Annual Report of the Engineering Research Institute, Faculty of Engineering, University of Tokyo* Tokyo, Japan
- Annu. Rep. Res. React. Inst. Kyoto Univ. (Japan)**  
*Annual Reports of the Research Reactor Institute* Kyoto University Osaka, Japan
- Annu. Rev. Autom. Program. (GB)**  
*Annual Review in Automatic Programming* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Annu. Univ. Sofia Fac. Phys. (Bulgaria)**  
*Annuaire de l'Universite de Sofia Faculte de Physique* Sofia, Bulgaria
- Anritsu Tech. Bull. (Japan)**  
*Anritsu Technical Bulletin* Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan
- Antenna (Italy)**  
*L'Antenna* Via Monte Generoso 6/a, 20155 Milano, Italy
- Antriebstechnik (Germany)**  
*Antriebstechnik* Krausskopf-Verlag, 65 Mainz, Postfach 2760, Lessingstrasse 12-14, Germany
- APE Eng. (GB)**  
*APE Engineering* Formerly: *Apex (GB)* Amalgamated Power Engineering Ltd., Bedford, England
- Apex (GB)**  
*Apex* Title changed to: *APE Eng. (GB)*
- APL Tech. Dig. (USA)**  
*APL Technical Digest* Applied Physics Laboratory, The John Hopkins University, 8621 Georgia Avenue, Silver Spring, Md. 20910, USA
- ApI. Mat. (Czechoslovakia)**  
*Applikace Matematiky* Vodickova 40, Praha 1 - Nove Mesto, Czechoslovakia
- Appl. Acoust. (GB)**  
*Applied Acoustics* Elsevier Publishing Co. Ltd., Ripple Road, Barking, Essex, England
- Appl. Anal. (GB)**  
*Applicable Analysis* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Appl. Electr. Phenom. (USA)**  
*Applied Electrical Phenomena* [Translation of: *Elektron. Obrab. Mater. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Appl. Ergonomics (GB)**  
*Applied Ergonomics* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Appl. Math. & Mech. (USA)**  
*Applied Mathematics and Mechanics* [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA
- Appl. Mech. Rev. (USA)**  
*Applied Mechanics Reviews* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Appl. Opt. (USA)**  
*Applied Optics* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA
- Appl. Phys. (Germany)**  
*Applied Physics* Formerly: *Z. Angew. Phys. (Germany)* Springer-Verlag, Heidelberg Platz 3, 1 Berlin 33, Germany



**Appl. Phys. Lett. (USA)**

*Applied Physics Letters* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Appl. Phys. Q. (India)**

*Applied Physics Quarterly* Association of Applied Physicists, 92 Acharya Prafulla, Chandra Road, Calcutta-9, India

**Appl. Sci. Res. (Netherlands)**

*Applied Scientific Research* Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands

**Appl. Sol. Energy (USA)**

*Applied Solar Energy* [Translation of: *Geliotekhnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, N.Y. 10011, USA

**Appl. Spectrosc. (USA)**

*Applied Spectroscopy* 428 East Preston Street, Baltimore, Md. 21202, USA

**Appl. Spectrosc. Rev. (USA)**

*Applied Spectroscopy Reviews* Marcel Dekker Inc., 95 Madison Avenue, New York, N.Y. 10016, USA

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*Applied Statistics (Journal of the Royal Statistical Society Series C)* Royal Statistical Society, 21, Bentinck Street, London, W1M 6AR, England

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*Archiwum Automatyki i Telemechaniki* Polska Akademia Nauk, Zakład Automatyki, Subscription address: CKPW 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

**Arch. Eisenbahntech. (Germany)**

*Archiv für Eisenbahntechnik* Hestra-Verlag, 61 Darmstadt, Holzhofallee 33, Germany

**Arch. Eisenhüttenwes. (Germany)**

*Archiv für das Eisenhüttenwesen* Verlag Stahleisen mGH, 4 Dusseldorf 1, Postfach 8229, Germany

**Arch. Elektr. Uebertrag. (Germany)**

*Archiv der Elektrischen Übertragung* Title changed to: *Arch. Elektron. & Übertragungstech. (Germany)*

**Arch. Elektron. & Übertragungstech. (Germany)**

*Archiv für Elektronik und Übertragungstechnik (Electronics and Communication)* Formerly: *Arch. Elektr. Uebertrag. (Germany)* S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany

**Arch. Elektrotech. (Germany)**

*Archiv für Elektrotechnik* Springer-Verlag, Heidelberger Platz 3, D-1 Berlin 33, Germany

**Arch. Elektrotech. (Poland)**

*Archiwum Elektrotechniki* Polska Akademia Nauk, Warszawa, ul. Koszykowa 75. Subscription address: Export-Import Enterprise 'Ruch', ul. Wronia 23, Warszawa 1, Poland

**Arch. Hutn. (Poland)**

*Archiwum Hutnictwa* Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

**Arch. Mech. (Poland)**

*Archives of Mechanics (Archiwum Mechaniki Stosowanej)* Formerly: *Arch. Mech. Stosow. (Poland)* Polish Scientific Publishers, Światokrzyska 21, Warszawa, Poland

**Arch. Mech. Stosow. (Poland)**

*Archiwum Mechaniki Stosowanej* Title changed to: *Arch. Mech. (Poland)*

**Arch. Ration. Mech. & Anal. (Germany)**

*Archive for Rational Mechanics and Analysis* Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany

**Arch. Sci. (Switzerland)**

*Archives des Sciences* Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland

**Arch. Tech. Mess. & Ind. Messtech. (Germany)**

*Archiv für technisches Messen und industrielle Messtechnik* Title changed to: *Arch. Tech. Mess. & Messtech. Prax. (Germany)*

**Arch. Tech. Mess. & Messtech. Prax. (Germany)**

*Archiv für Technisches Messen & Messtechnische Praxis* Formerly: *Arch. Tech. Mess. & Ind. Messtech. (Germany)* R. Oldenbourg, 8 München 80, Rosenheimer Strasse 145, Germany

**Ark. Astron. (Sweden)**

*Arkiv för Astronomi* Kungliga Svenska Vetenskaps-akademien, 10405, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm, Sweden

**Ark. Fys. Semin. Trondheim (Norway)**

*Arkiv for det Fysiske Seminar i Trondheim* c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway

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*Arkiv för Geofysik* Kungliga Svenska Vetenskaps-akademien, 10405, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm, Sweden

**Ark. Mat. (Sweden)**

*Arkiv för Matematik* Institut Mittag-Leffler, Auravägen 17, S-182 62 Djursholm, Sweden

**Ark. Mineral. & Geol. (Sweden)**

*Arkiv för Mineralogi och Geologi* Kungliga Svenska Vetenskaps-akademien, 10405, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm, Sweden

**Artif. Intell. (Netherlands)**

*Artificial Intelligence* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Asea J. (Sweden)**

*Asea Journal* Allmänna Svenska Elektriska AB, S-721 83 Vasteras, Sweden

**Asea Res. (Sweden)**

*Asea Research* ASEA Research, S-72183 Vasteras, Sweden

**Aslib Proc. (GB)**

*Aslib Proceedings* 3 Belgrave square, London, SW1, England

**Assoc. Can. Bibl. Lang. Fr. Bull. (Canada)**

*Association Canadienne des Bibliothecaires de Langue Francaise. Bulletin* Title changed to: *Doc. & Bibl. (Canada)*

**Assoc. Hung. Telecommun. Ind. (Hungary)**

*Association of the Hungarian Telecommunication Industry* KGM MTTI, Budapest IV, Gellert u. 12, Hungary

**Assoc. Lit. & Ling. Comput. Bull. (GB)**

*Association for Literary and Linguistic Computing Bulletin* Editorial address: University College of Swansea, Singleton Park, Swansea, SA2 8PP, Wales

**ASTM Stand. News (USA)**

*ASTM Standardization News* Formerly: *Mater. Res. & Stand. (USA)* American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa. 19103, USA

**Astrofizika (USSR)**

*Astrofizika* Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]

**Astrometriya & Astrofiz. (USSR)**

*Astrometriya i Astrofizika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

**Astron. & Astrophys. (Germany)**

*Astronomy and Astrophysics* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

**Astron. & Astrophys. Suppl. Ser. (Switzerland)**

*Astronomy and Astrophysics Supplement Series* Institut d'Astronomie de l'Université de Lausanne et Observatoire de Geneve, CH-1290 Sauverny, Switzerland

**Astron. & Space (GB)**

*Astronomy & Space* David & Charles, South Devon House, Newton Abbot, Devon, England

**Astron. Her. (Japan)**

*Astronomical Herald* Astronomical Society of Japan, Tokyo Astronomical Observatory, Oosawa Mitaka, Tokyo, Japan

**Astron. J. (USA)**

*Astronomical Journal* Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA

**Astron. Vestn. (USSR)**

*Astronomicheskii Vestnik* ab/yasht 918, Moskva, K-9, USSR. [English translation in: *Sol. Syst. Res. (USA)*]

**Astron. Zh. (USSR)**

*Astronomicheskii Zhurnal* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. AJ (USA)*]

**Astronaut. Acta (GB)**

*Astronautica Acta* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Astronomie (France)**

*L'Astronomie* Societe Astronomique de France, 28 Rue Serpente, Paris 6, France

**Astrophys. & Space Sci. (Netherlands)**

*Astrophysics and Space Science* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

**Astrophys. J. (USA)**

*Astrophysical Journal* University of Chicago Press, 5801 Ellis Avenue, Chicago, Ill. 60637, USA

**Astrophys. J. Lett. Ed. (USA)**

*Astrophysical Journal. Letters to the Editor* University of Chicago Press, Chicago, Ill. 60637, USA

**Astrophys. J. Suppl. (USA)**

*Astrophysical Journal Supplement* University of Chicago Press, 5801 Ellis Avenue, Chicago, Ill. 60637, USA

**Astrophys. Lett. (GB)**

*Astrophysical Letters* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Astrophysics (USA)**

*Astrophysics* [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

**At. & Strom (Germany)**

*Atom und Strom* Vereinigung Deutscher Elektrizitätswerke, Verlags- u. Wirtschaftsgesellschaft der Elektrizitätswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany

**At. Absorpt. Newsl. (USA)**

*Atomic Absorption Newsletter* Perkin-Elmer Corp., Main Evenue, Norwalk, Conn. 06852, USA

**At. Data (USA)**

*Atomic Data* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**At. Energ. (USSR)**

*Atomnaya Energiya* Akademiya Nauk SSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]

**At. Energy Aust. (Australia)**

*Atomic Energy in Australia* Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia

**Atmos. Environ. (GB)**

*Atmospheric Environment* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Atom (GB)**

*Atom* United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1, England

**Atomkernenergie (Germany)**

*Atomkernenergie* Verlag Karl Thieme, Pilgersheimerstrasse 38, 8 München 90, Postfach 90 0740, Germany

**Atomkraftwerk (Austria)**

*Das Atomkraftwerk* Issued with: *Oesterr. Z. Elektrizitätswirt. (OEZE) (Austria)*, Austria

**Atompraxis (Germany)**

*Atompraxis* Verlag G. Braun, 75 Karlsruhe 1, Postfach 1709, Germany

**Atomwirtschaft-Atomtech. (Germany)**

*Atomwirtschaft-Atomtechnik* Walter Betz, 4 Dusseldorf 1, Handelsblatthaus, Kreuzstrasse 21, Germany

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*Atomeenergie en haar Toepassingen* Reactor Centrum Netherlands, Scheveningseweg 112, Den Haag, Netherlands

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*Atti Societa Astronomica Italiana* Via Brera 28, Milano, Italy

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- Audiovis. Instr. (USA)**  
*Audiovisual Instruction* 1201 16th Street N.W., Washington, D.C. 20036, USA
- Augenoptik (Germany)**  
*Augenoptik* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Aust. Comput. J. (Australia)**  
*Australian Computer Journal* Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia
- Aust. Electron. Eng. (Australia)**  
*Australian Electronics Engineering* Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia
- Aust. Geomech. J. (Australia)**  
*Australian Geomechanics Journal* Institution of Engineers, Australia, Science House, Gloucester & Essex Streets, Sydney, N.S.W. 2000, Australia
- Aust. J. Instrum. & Control (Australia)**  
*Australian Journal of Instrumentation and Control* C/- F.O. Barnett & Co., 422 Collins Street, Melbourne 3000, Australia
- Aust. J. Phys. (Australia)**  
*Australian Journal of Physics* Commonwealth Scientific and Industrial Research Organization, Sixth Floor, 372 Albert Street, East Melbourne, Victoria 3002, Australia
- Aust. Telecommun. Res. (Australia)**  
*Australian Telecommunication Research* Telecommunication Society of Australia Box 4050, GPO, Melbourne 3001, Victoria, Australia
- Autom. & Autom. (Italy)**  
*Automazione e Automatismi* Istituto per l'Automazione, Via Tiziano 19, 20145 Milano, Italy
- Autom. & Electron. (Romania)**  
*Automatica si Electronica* Str. Ion Ghica 3, Bucuresti, Romania
- Autom. & Inf. Ind. (France)**  
*Automatique & Informatique Industrielles* Societe des Editions Radio, 9 Rue Jacob, Paris-6, France
- Autom. & Remote Control (USA)**  
*Automation and Remote Control* [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Autom. & Strum. (Italy)**  
*Automazione e Strumentazione* Associazione Nazionale Italiana per l'Automazione, Via Marconi 49, 20129 Milano, Italy
- Autom. Control Theory & Appl. (Canada)**  
*Automatic Control Theory and Applications* ACTA Press, P.O. Box 3243, Postal Station B, Calgary, Alberta, Canada
- Autom. Mach. (USA)**  
*Automatic Machining* Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, N.Y. 14614, USA
- Autom. Weld. (GB)**  
*Automatic Welding* [Translation of: *Avtom. Svarka (USSR)*] The Welding Institute, Abington Hall, Abington, Cambridge, England
- Automatica (GB)**  
*Automatica* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Automatica (Netherlands)**  
*Automatica* Keizersgracht 158, Amsterdam, Netherlands
- Automatic (Germany)**  
*Automatic* Dr. Alfred Huhtig Verlag GmbH, Wilkensstrasse 3/5, Postfach 727, 6900 Heidelberg 1, Germany. Now incorporated with Mess. & Prüf. (Germany)
- Automatica (Yugoslavia)**  
*Automatica* Titova 48, Ljubljana, Yugoslavia
- Automation (GB)**  
*Automation* E.D. Publications Ltd., 120 Wigmore Street, London, W1H 0AS, England
- Automation (USA)**  
*Automation* Penton Publishing Co., Penton Building, Cleveland, Ohio 44113, USA
- Automatisierungspraxis (Germany)**  
*Automatisierungspraxis für Grundlagen, Gerätebau und Betriebserfahrungen* Issued with: *Mess. Steuern Regeln (Germany)*
- Automatisme (France)**  
*Automatisme* Dunod/Gauthier-Villars, Centrale des Revues, 26 Boulevard de l'Hopital, 75005 Paris, France
- Automatizace (Czechoslovakia)**  
*Automatizace* Publishers of Technical Literature, Spalena ul. 51, Praha 1, Czechoslovakia
- Avh. Nor. Vidensk.-Akad. Oslo I (Norway)**  
*Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Matematisk-Naturvidenskaplige Klasse* Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway
- Aviat. Rev. (GB)**  
*Aviation Review* Smiths Industries, Kelvin House, Wembley Park Drive, Wembley, Middx, England
- Avtom. & Telemekh. (USSR)**  
*Avtomatika i Telemekhanika* Akademiya Nauk SSSR, Leninskii Prospekt, 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]
- Avtom. & Vychisl. Tekh. (USSR)**  
*Avtomatika i Vychislitel'naya Tekhnika* Academy of Sciences of Latvian SSR, Riga, USSR
- Avtom. Svarka (USSR)**  
*Avtomaticheskaya Svarka* Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]
- Avtom. Telemekh. Svyaz (USSR)**  
*Avtomatika, Telemekhanika, Svyaz'* 262 Karl Marx Street, 11 Moskva, USSR
- Avtomatika (USSR)**  
*Avtomatika* Institution of Cybernetics, 102 Brest-Litovskii Prospekt, Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]
- Avtometriya (USSR)**  
*Avtometriya* Science Publishing House, Siberian Division, Novosibirsk, USSR
- AWA Tech. Rev. (Australia)**  
*AWA Technical Review* AWA Research Laboratories, 422 Lane Cove Road, North Ryde, N.S.W., Australia
- Bauelem. Elektrotech. (Germany)**  
*Bauelemente der Elektrotechnik* Verlag für Technik und Wirtschaft GmbH, 62 Wiesbaden, Postfach 1409, Kaiser-Friedrich-Ring 49, Germany
- BBC Eng. (GB)**  
*BBC Engineering* British Broadcasting Corporation Publications, 35 Marylebone High Street, London, W1M 4AA, England
- BBC Nachr. (Germany)**  
*BBC Nachrichten* Brown Boveri, Mannheim, Germany
- Beck Isolertechn. (Germany)**  
*Beck Isolertechnik* Dr. Beck & Co. AG, 2 Hamburg 28, Postfach 280180, Eiselenweg 5-11, Germany
- Bedrijf & Tech. (Netherlands)**  
*Bedrijf & Techniek* NV Uitgeversgemaatschappij Diligentia, Tesselschadesstraat 18-20-22, Amsterdam, Netherlands
- Behav. Res. Methods & Instrum. (USA)**  
*Behavior Research Methods and Instrumentation* Psychonomic Society Inc., 1018 West 34th Street, Austin, Tex. 78705, USA
- Behav. Sci. (USA)**  
*Behavioral Science* Mental Health Research Institute, University of Michigan, Ann Arbor, Mich. 48104, USA
- Beitr. Linguist. & Informationsverarb. (Germany)**  
*Beiträge zur Linguistik und Informationsverarbeitung* R. Oldenbourg Verlag, München, Germany
- Beitr. Phys. Atmos. (Germany)**  
*Beiträge zur Physik der Atmosphäre* Title changed to: *Contrib. Atmos. Phys. (GB)*
- Beitr. Plasma Phys. (Germany)**  
*Beiträge aus der Plasma Physik* Akademie-Verlag, Leipzigerstrasse 3-4, 108 Berlin, Germany
- Beitr. Radioastron. (Germany)**  
*Beiträge zur Radioastronomie* Max-Planck-Institut für Radioastronomie, 5300 Bonn/Rhein, Poppelsdorfer Allee 49, Germany
- Belgelectro-Export (Belgium)**  
*Belgelectro-Export* 21 rue des Drapiers, Bruxelles 1050, Belgium
- Bell Lab. Rec. (USA)**  
*Bell Laboratories Record* Bell Telephone Laboratories, Mountain Avenue, Murray Hill, N.J. 07974, USA
- Bell Syst. Tech. J. (USA)**  
*Bell System Technical Journal* American Telephone and Telegraph Co., 195 Broadway, New York, N.Y. 10007, USA
- Ber. Bunsenges. Phys. Chem. (Germany)**  
*Berichte der Bunsengesellschaft für Physikalische Chemie* Verlag Chemie, 694 Weinheim/Bergstrasse, Germany
- Ber. Dtsch. Keram. Ges. (Germany)**  
*Berichte der Deutschen Keramischen Gesellschaft* 534 Bad Honnef 1, Menzenberger Strasse 47, Postfach 129, Germany
- Bio-Med. Eng. (GB)**  
*Bio-Medical Engineering* United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England
- Biomed. Eng. (USA)**  
*Biomedical Engineering* [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Biomed. Tech. (Germany)**  
*Biomedizinische Technik (Biomedical Engineering)* Fachverlag Schiele & Schön GmbH, 1 Berlin 16, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany
- Bionika (USSR)**  
*Bionika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Biophysik (Germany)**  
*Biophysik* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
- BIT (Sweden)**  
*BIT (Nordisk Tidskrift för Informationsbehandling)* Institutionen för Informationsbehandling, Lunds Universitet. Solvegatan 14, Lund, Sweden
- Biul. Inst. Energ. (Poland)**  
*Biuletyn Instytutu Energetyki* Issued with: *Energetyka (Poland)*, Poland
- BLL Rev. (GB)**  
*BLL Review* Formerly: *NLL Rev. (GB)* British Library Lending Division, Boston Spa, Wetherby, Yorks. LS23 7BQ, England. HMSO, 49 High Holborn, London, WC1V 6HB
- Bol. Acad. Nac. Cienc. (Argentina)**  
*Boletín de la Academia Nacional de Ciencias* Casilla de Correo 36, Cordoba, Argentina
- Bol. Fac. Ing. & Agrimensura Montevideo (Uruguay)**  
*Boletín de la Facultad de Ingeniería y Agrimensura de Montevideo* Herrera y Reissig 565, Montevideo, Uruguay
- Bol. Obs. Tonantzintla & Tacubaya (Mexico)**  
*Boletín de los Observatorios de Tonantzintla y Tacubaya* Apartado Postal No. 70-264, Mexico 20, D.F. Mexico
- Boll. Geofis. Teor. & Appl. (Italy)**  
*Bollettino di Geofisica Teorica ed Applicata* Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy
- Bosch Tech. Ber. (Germany)**  
*Bosch Technische Berichte* Robert Bosch GmbH, 7 Stuttgart, Postfach 50, Germany
- Boundary-Layer Meteorol. (Netherlands)**  
*Boundary-Layer Meteorology* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Br. Chem. Eng. & Process Technol. (GB)**  
*British Chemical Engineering and Process Technology* Title changed to: *Process Technol. Int. (GB)*
- Br. Chem. Eng. (GB)**  
*British Chemical Engineering* Title changed to: *Br. Chem. Eng. & Process Technol. (GB)*
- Br. Corros. J. (GB)**  
*British Corrosion Journal* British Joint Corrosion Group, 14 Belgrave Square, London, SW1, England
- Br. J. Non-Destr. Test. (GB)**  
*British Journal of Non-Destructive Testing* Non-Destructive Testing Society, Maitland House, Warrior Square, Southend-on-Sea, Essex, England
- Br. J. Photogr. (GB)**  
*British Journal of Photography* Henry Greenwood & Co., 24 Wellington Street, London, WC2E 7DH, England
- Br. J. Radiol. (GB)**  
*British Journal of Radiology* British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England
- Br. Kinematogr. Sound & Telev. (GB)**  
*British Kinematography Sound and Television* British Kinematography Sound and Television Society, 110-112 Victoria House, Vernon Place, London, WC1B 4DJ, England



- Br. Polym. J. (GB)**  
British Polymer Journal Society of Chemical Industry, 14 Belgrave Square, London, SW1, England
- Brennst.-Waerme-Kraft (BWK) (Germany)**  
BWK, Brennstoff-Waerme-Kraft VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany
- Brown Boveri Rev. (Switzerland)**  
Brown Boveri Review Brown Boveri, CH-Baden 5401, Switzerland
- Bruel & Kjaer Tech. Rev. (Denmark)**  
Bruel and Kjaer Technical Review Bruel & Kjaer, Naerum, Denmark
- BSI News (GB)**  
BSI News British Standards Institution, 2 Park Street, London, W1A 2BS, England
- Budavox Telecommun. Rev. (Hungary)**  
Budavox Telecommunication Review Budavox Telecommunication Foreign Trading Company Ltd., Budapest 62, P.O. Box 267, Hungary
- Buerotech. & Autom. Org. (Germany)**  
Buerotechnik Automation & Organisation Formerly: Buerotech. & Organ. (Germany) Goller Verlag, 757 Baden-Baden, Postfach 240, Hauptstrasse 4, Germany
- Buerotech. & Organ. (Germany)**  
Buerotechnik & Organisation Title changed to: Buerotech. & Autom. Org. (Germany)
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Building Services Engineer Institution of Heating and Ventilating Engineers, 49 Cadogan Square, London, SW1X 0JB, England
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- Bul. Acad. Sci. USSR, Phys. Ser. (USA)**  
Bulletin of the Academy of Sciences of the USSR, Physical Series (Translation of: Izv. Akad. Nauk SSSR Ser. Fiz.) Columbia Technical Translations, 5 Vermont Avenue, White Plains, New York, N.Y. 10606, USA
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Bulletin of the Academy of Sciences of the USSR, Atmospheric and Oceanic Physics Title changed to: Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)
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Bulletin de l'Association Suisse des Electriciens (Organe Commun de l'Association Suisse des Electriciens (ASE) et de l'Union des Centrales Suisses d'Electricite (UCS)) Case Postale 229, 8021 Zurich, Switzerland
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Bulletin of the Australian Mathematical Society University of Queensland Press, St. Lucia, Queensland 4067, Australia
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Bulletin de la Direction des Etudes et Recherche, Serie C Electricite de France, Direction des Etudes et Recherches, 17 Avenue de la Liberation, 92-Clamart, France
- Bull. EGU (Czechoslovakia)**  
Bulletin EGU Vyzkumny Ustav Energeticky. Partyzanska 7a, Praha 7 Holosovice, Czechoslovakia
- Bull. Electrotech. Lab. (Japan)**  
Bulletin of the Electrotechnical Laboratory 2-6 Nagata-cho, Chiyoda-ku, Tokyo, Japan
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Bulletin of the Israel Physical Society Israel Physical Society, c/o Hebrew University, Jerusalem, Israel
- Bull. Isr. Soc. Spec. Lib. & Inf. Cent. (Israel)**  
Bulletin Israel Society of Special Libraries and Information Centres P.O. Box 20125, Tel Aviv, Israel
- Bull. Jap. Soc. Precis. Eng. (Japan)**  
Bulletin of the Japan Society of Precision Engineering Ceramic Association Building, 334, 3-chome, Hyakunin-cho, Shinjuku-ku, Tokyo, Japan
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Bulletin of the Japan Society of Mechanical Engineers Nihon Kikaku Kyokai Building, 1-24 Akasaka, 4-chome, Minato-ku, Tokyo, Japan
- Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan)**  
Bulletin of the Kyushu Institute of Technology (Science and Technology) Tobata, Japan
- Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan)**  
Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science Tobato, Kitakyushu, Japan
- Bull. Mech. Eng. Educ. (GB)**  
Bulletin of Mechanical Engineering Education Wynn Williams (Publishers) Ltd., Centenary Buildings, King Street, Wrexham, Wales
- Bull. Mech. Eng. Lab. (Japan)**  
Bulletin of Mechanical Engineering Laboratory 12-1 Igusa 4-chome, Suginami-ku, Tokyo, Japan
- Bull. Nagoya Inst. Technol. (Japan)**  
Bulletin of Nagoya Institute of Technology Nagoya, Japan
- Bull. Natl. Inst. Sci. India**  
Bulletin of the National Institute of Sciences of India Bahadur Shar Zafar Marg, New Delhi 1, India
- Bull. Oper. Res. Soc. Am. (USA)**  
Bulletin of the Operations Research Society of America 426 East Preston Street, Baltimore, Md. 21202, USA
- Bull. Res. Inst. Appl. Electr. (Japan)**  
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Bulletin of the Research Institute for Scientific Measurements, Tohoku University Sendai, Japan
- Bull. Sci. Assoc. Ing. Electr. Inst. Electrotech. Montefiore (Belgium)**  
Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore 31 Rue Saint Gilles, Liege, Belgium
- Bull. Seismol. Soc. Am. (USA)**  
Bulletin of the Seismological Society of America Seismological Society of America, 2907 Claremont Avenue, Berkeley, Calif. 94705, USA
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Bulletin de la Societe Francaise de Ceramique Centre National d'Etudes et Recherches Ceramiques, 23 rue de Cronstadt, Paris 15, France
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Bulletin de la Societe Francaise de Mineralogie et de Cristallographie Masson, 120 Boulevard Saint-Germain, Paris 6, France
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Bulletin de la Societe Royale Belge des Electriciens 1 Place du Trone, Bruxelles 1, Belgium
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Bulletin de la Societe Royale des Sciences de Liege L'Universite, 15 Avenue des Tilleurs, Liege, Belgium
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Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni) Taskisla, Istanbul, Turkey
- Bull. Tech. Vevey (Switzerland)**  
Bulletin Technique Vevey Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland
- Bull. Tokyo Gakuuei Univ. IV (Japan)**  
Bulletin of Tokyo Gakuuei University, Series IV (Mathematics and Natural Sciences) 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan
- Bull. Tokyo Inst. Technol. (Japan)**  
Bulletin of Tokyo Institute of Technology Oh-Okayama, Meguro-ku, Tokyo, Japan
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Bulletin of University of Osaka Prefecture Series A University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan
- Bull. Yamagata Univ. (Eng.) (Japan)**  
Bulletin of the Yamagata University (Engineering) Yamagata, Japan
- Burroughs Clearing House (USA)**  
Burroughs Clearing House Burroughs Corp., Box 418, Detroit, Mich. 48232, USA

- Bus. Adm. (GB)**  
*Business Administration* Morgan-Grampian (Professional Press) Ltd., Calderwood Street, Woolwich, London, SE18 6QH, England
- Bus. Autom. (USA)**  
*Business Automation* Business Press International Inc., 288 Park Avenue West, Elmhurst, Ill. 60126, USA
- Bus. Syst. & Equip. (GB)**  
*Business Systems and Equipment* Formerly: *Bus. Syst. (GB)* Maclean-Hunter Ltd., 30 Old Burlington Street, London, W1X 2AE, England
- Bus. Syst. (GB)**  
*Business Systems (GB)* Title changed to: *Bus. Syst. & Equip. (GB)*
- Euturi (Japan)**  
*Euturi. Proceedings of the Physical Society of Japan* Room No. 211, Kikai-Shinko Building, 21, Shiba-Koen, Minato-ku, Tokyo 105, Japan
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*Byulleten' Instituta Teoreticheskoi Astronomii Akademii Nauk SSSR* Leningradskoe Ordenenie Izdatelstva Nauka, Leningrad V-164, Mendeleevskaya Lin. D. 1, USSR
- C.R. Acad. Bulg. Sci. (Bulgaria)**  
*Comptes Rendus de l'Academie Bulgare des Sciences* Sofiya, Bulgaria
- C.R. Hebd. Seances Acad. Sci. A (France)**  
*Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Paris, Serie A (Sciences Mathematiques)* Centrale des Reves, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- C.R. Hebd. Seances Acad. Sci. B (France)**  
*Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Paris, Serie B (Sciences Physiques)* Centrale des Reves, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
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*Cable Television Engineering* Formerly: *Relay Eng. (GB)* Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England
- Cablecasting-Cable TV Eng. (USA)**  
*Cablecasting-Cable TV Engineering* C.S. Tepfer Publishing Co. Inc., 607 Main Street, Ridgefield, Conn. 06877, USA
- Cables & Transm. (France)**  
*Cables et Transmission* Sotelec, 16 Rue de la Baume, Paris 8, France
- Cah. Groupe Fr. Rheol. (France)**  
*Cahiers de Groupe Francais de Rheologie* Bernard Persoz, 68 Boulevard Saint-Michel, Paris 6, France
- Calif. Manage. Rev. (USA)**  
*California Management Review* Graduate School of Business Administration, University of California, Berkeley, Calif. 94720, USA
- Calitatea Prod. & Metrol. (Rumania)**  
*Calitatea Productiei si Metrologie* M.I.C.M.G., Calea Victoriei nr. 133, Sector 1, Bucuresti, Rumania
- CAMAC Bull. (Italy)**  
*CAMAC Bulletin* ESONE Committee, JRC Euratom, I-21020 Ispra (Va), Italy
- Can. Aeronaut. & Space J. (Canada)**  
*Canadian Aeronautics and Space Journal* Canadian Aeronautics and Space Institute, Commonwealth Building, 77 Metcalfe Street, Ottawa, Ontario, Canada
- Can. Chart. Account. (Canada)**  
*Canadian Chartered Accountant* Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto 285, Canada
- Can. Controls & Instrum. (Canada)**  
*Canadian Controls and Instrumentation* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada
- Can. Datasyst. (Canada)**  
*Canadian Datasystems* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada
- Can. Electron. Eng. (Canada)**  
*Canadian Electronics Engineering* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada
- Can. J. Chem. (Canada)**  
*Canadian Journal of Chemistry* Division of Administration and Awards, National Research Council of Canada, Ottawa K1A 0R6, Canada
- Can. J. Chem. Eng. (Canada)**  
*Canadian Journal of Chemical Engineering* Canadian Society for Chemical Engineering, 151 Slater Street, Ottawa, Ontario, K1P 5H3, Canada
- Can. J. Earth Sci. (Canada)**  
*Canadian Journal of Earth Sciences* National Research Council of Canada, Ottawa 7, Canada
- Can. J. Phys. (Canada)**  
*Canadian Journal of Physics* Division of Administration and Awards, National Research Council of Canada, Ottawa 7, Canada
- Can. J. Spectrosc. (Canada)**  
*Canadian Journal of Spectroscopy* Formerly: *Can. Spectrosc. (Canada)* Multiscience Publication Ltd., 1253 McGill College, Suite 404, Montreal 110, Quebec, Canada
- Can. Metall. Q. (Canada)**  
*Canadian Metallurgical Quarterly* Editorial address: University of Toronto, Department of Metallurgy and Materials Science, Toronto 5, Canada
- Can. Spectrosc. (Canada)**  
*Canadian Spectroscopy* Title changed to: *Can. J. Spectrosc. (Canada)*
- Carbon (GB)**  
*Carbon* Pergamon Press Headington Hill Hall, Oxford, OX3 0BW, England
- Case Stud. At. Phys. (Netherlands)**  
*Case Studies in Atomic Physics* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Cathode Press (USA)**  
*Cathode Press* Machlett Labs. Inc., 42 Camp Avenue, Springdale, Conn. 06879, USA
- CEGB Dig. (GB)**  
*CEGB Digest* Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1, England
- CEGB Tech. Disclosure Bull. (GB)**  
*CEGB Technical Disclosure Bulletin* Central Electricity Generating Board, Sudbury House, 15 Newgate Street, London, EC1, England
- Celestial Mech. (Netherlands)**  
*Celestial Mechanics* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Cerberus Alarm (Switzerland)**  
*Cerberus Alarm* Cerberus Ltd., CH-8708 Mannedorf, Switzerland
- Cerberus Elektron. (Switzerland)**  
*Cerberus Elektronik* Cerberus Ltd., CH 8708 Mannedorf, Switzerland
- Certif. Eng. (S. Africa)**  
*Certificated Engineer* Institution of Certificated Mechanical & Electrical Engineers SA, P.O. Box 61019, Marshalltown, Transvaal, S. Africa
- Cesk. Cas. Fis. A (Czechoslovakia)**  
*Ceskoslovensky Casopis pro Fisiku. Sekce A* Czechoslovak Academy of Sciences, Circulation address: Cukrovarnicka 10, Stresovice, Praha 6, Czechoslovakia
- Cesk. Inf. Teor. & Praxe (Czechoslovakia)**  
*Ceskoslovenska Informatika, Teorie a Praxe* Editorial address: Praha 1, Konviktska 5, Czechoslovakia
- Chalmers Tek. Högsk. Handl. (Sweden)**  
*Chalmers Tekniska Hogskolas Handlingar (Transactions of Chalmers University of Technology)* Library of Chalmers University of Technology, Fack. 402 20 Goteborg 3, Sweden
- Chart. Mech. Eng. (GB)**  
*The Chartered Mechanical Engineer* Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England
- Chem. & Process Eng. (GB)**  
*Chemical and Process Engineering* Grampian Press, The Tower, 229-243 Shepherds Bush Road, London, W6, England. Incorporated with Process Eng. (GB)
- Chem. Eng. (GB)**  
*Chemical Engineer* Institution of Chemical Engineers, 16 Belgrave Square, London, SW1X 8PT, England
- Chem. Eng. (USA)**  
*Chemical Engineering* McGraw-Hill Building, 1221 Avenue of the Americas, New York, N.Y. 10019, USA
- Chem. Eng. J. (Switzerland)**  
*Chemical Engineering Journal* Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland
- Chem. Eng. Prog. (USA)**  
*Chemical Engineering Progress* American Institute of Chemical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Chem. Eng. Sci. (GB)**  
*Chemical Engineering Science* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Chem. High Polym. (Japan)**  
*Chemistry of High Polymers* Society of Polymer Science, Honshu Building, 5-12-8 Ginza, Cho-ku, Tokyo 104, Japan
- Chem. Ing. Tech. (Germany)**  
*Chemie Ingenieur Technik* Verlag Chemie GmbH, 6940 Weinheim/Bergstrasse, Postfach 129/149, Pappelallee 3, Germany
- Chem. Instrum. (USA)**  
*Chemical Instrumentation* Marcel Dekker Inc., 95 Madison Avenue, New York, N.Y. 10016, USA
- Chem. Phys. (Netherlands)**  
*Chemical Physics* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Chem. Phys. Lett. (Netherlands)**  
*Chemical Physics Letters* North-Holland Publishing Co., P.O. Box 211, Amsterdam-C, Netherlands
- Chem. Scr. (Sweden)**  
*Chemica Scripta* Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden. Subscription address: Almqvist & Wicksell Periodical Co., Box 62, S-101 20 Stockholm 1
- Chem. Tech. (Germany)**  
*Chemische Technik* VEB Deutscher Verlag für Grundstoffindustrie, 7031 Leipzig Postfach 140, Karl-Heine-Strasse 27, Germany
- Chem. Technol. (USA)**  
*Chemical Technology* American Chemical Society, 1155 Sixteenth Street, N.W., Washington, D.C. 20036, USA
- Chin. J. Phys. (Taiwan)**  
*Chinese Journal of Physics* Physical Society of the Republic of China, Physics Dept., National Taiwan Univ., Taipei, Taiwan, China
- Ciel & Terre (Belgium)**  
*Ciel et Terre* Societe Belge d'Astronomie, de Meteorologie et de Physique du Globe, Avenue Circulaire 3, 1180 Bruxelles, Belgium
- Cienc. & Tec. (Argentina)**  
*Ciencia y Tecnica* Centro Estudiantes de Ingenieria, 'La Linea Recta', Paseo Colon 850, Buenos Aires, Argentina
- Ciencia (Mexico)**  
*Ciencia* Apartado Postal 32133, Mexico 1, DF, Mexico
- CIIIG Bull. (GB)**  
*CIIIG Bulletin* Construction Industry Information Group, BMC/Box 693, London, WC1, England
- CIM Bull. (Canada)**  
*Canadian Mining and Metallurgical Bulletin* Canadian Institute of Mining and Metallurgy, 906-1117 Ste. Catherine Street West, Montreal 110, Quebec, Canada
- Circ. Electrotech. Lab. (Japan)**  
*Circulars of the Electrotechnical Laboratory* 2-chome, Nagata-cho, Chiyoda-ku, Tokyo, Japan
- Circ. Res. (USA)**  
*Circulation Research* American Heart Association Inc., 44 East 23rd Street, New York, N.Y. 10010, USA
- Clean Air (Australia)**  
*Clean Air* Clean Air Society of Australia and New Zealand. Editorial address: Dept. of Industrial Science, University of Melbourne, Parkville, Victoria 3052, Australia. Subscription address: 151 Northern Road, Heidelberg, Victoria 3081
- CNE Commun. Navig. Electron. (USA)**  
*CNE Communication/Navigation Electronics* Communication and Navigation Inc., 250 Park Avenue, New York, N.Y. 10017, USA
- Cobalt (Belgium)**  
*Cobalt* Centre d'Information du Cobalt, Avenue des Arts 31, B-1040 Brussels, Belgium. Cobalt Information Centre, 7 Rolls Buildings, Fetter Lane, London EC4A 1JA, England
- Cognitive Psychol. (USA)**  
*Cognitive Psychology* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA
- Coll. & Res. Libr. (USA)**  
*College & Research Libraries* 1201-05 Bluff Street, Fulton, Mo. 65251, USA



- Collect. Phenom. (GB)**  
*Collective Phenomena* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England
- Colloid J. USSR (USA)**  
*Colloid Journal of the USSR* [Translation of: *Kolloidnyi Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Combust. & Flame (USA)**  
*Combustion and Flame (Quarterly Journal of the Combustion Institute)* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA
- Combust. Explos. & Shock Waves (USA)**  
*Combustion, Explosion and Shock Waves* [Translation of: *Fiz. Goreniya i Vzryva (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Commentat. Phys.-Math. (Finland)**  
*Commentationes Physico-Mathematicae* Societas Scientiarum Fennica, Snellmangatan 9-11, 00170 Helsinki 17, Finland
- Comments Astrophys. & Space Phys. (GB)**  
*Comments on Astrophysics and Space Physics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Comments At. & Mol. Phys. (GB)**  
*Comments on Atomic and Molecular Physics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Comments Earth Sci. Geophys. (GB)**  
*Comments on Earth Sciences: Geophysics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Comments Nucl. & Part. Phys. (GB)**  
*Comments on Nuclear and Particle Physics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, USA
- Comments Plasma Phys. & Controlled Fusion (GB)**  
*Comments on Plasma Physics and Controlled Fusion* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Comments Solid State Phys. (GB)**  
*Comments on Solid State Physics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Commun. ACM (USA)**  
*Communications of the ACM* Association for Computing Machinery, 211 East 43rd Street, New York, N.Y. 10017, USA
- Commun. Des. Dig. (USA)**  
*Communications Designers Digest* Title changed to: *Commun. Equip. & Syst. Des. (USA)*
- Commun. Dublin Inst. Adv. Stud. A (Ireland)**  
*Communications of the Dublin Institute for Advanced Studies. Series A* School of Theoretical Physics, 10 Burlington Road, Dublin 4, Ireland
- Commun. Equip. & Syst. Des. (USA)**  
*Communications Equipment & Systems Design* Formerly: *Commun. Des. Dig. (USA)* Communication Trends Inc., 181 South Franklin Avenue, Valley Stream, N.Y. 11581, USA
- Commun. Lunar & Planet. Lab. (USA)**  
*Communications of the Lunar and Planetary Laboratory* University of Arizona, Tucson, Ariz. 85721, USA
- Commun. Math. Phys. (Germany)**  
*Communications in Mathematical Physics* Springer-Verlag, Postfach 1780, 6900 Heidelberg 1, Germany
- Commun. Sci. & Tech. Inf. (GB)**  
*Communicator of Scientific and Technical Information* Formerly: *Commun. Tech. Inf. (GB)* Institute of Scientific and Technical Communicators Ltd., 17 Blueidge Avenue, Brookmans Park, Hatfield, Herts, England
- Commun. Tech. Inf. (GB)**  
*Communicator of Technical Information* Title changed to: *Commun. Sci. & Tech. Inf. (GB)*
- Communications (USA)**  
*Communications* Communications Publishing Co., 1900 West Yale, Englewood, Colo. 80110, USA
- Communat. & Electron. (France)**  
*Communatation et Electronique* SOCOTEL, 38-40 Rue du General Leclerc, 92-Issy les Moulineaux, France
- Component Technol. (GB)**  
*Component Technology* Plessey, Ilford, Essex, England
- Composites (GB)**  
*Composites* IPC Science and Technology Publications Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Comput. & Autom. & People (USA)**  
*Computers and Automation and People* Formerly: *Comput. & Autom. (USA)* 815 Washington Street, R1, Newtonville, Mass. 02160, USA
- Comput. & Autom. (USA)**  
*Computers and Automation* Title changed to: *Comput. & Autom. & People (USA)*
- Comput. & Biomed. Res. (USA)**  
*Computers and Biomedical Research* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA
- Comput. & Electr. Eng. (GB)**  
*Computers & Electrical Engineering* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Comput. & Fluids (GB)**  
*Computers & Fluids* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Comput. & Hum. (USA)**  
*Computers and the Humanities* Queens College of the City University of New York, Flushing, N.Y. 11367, USA
- Comput. & Struct. (GB)**  
*Computers and Structures* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Comput. Aided Des. (GB)**  
*Computer Aided Design* IPC Science and Technology Press, IPC House, 32 High Street, Guildford, Surrey, England
- Comput. Appl. (GB)**  
*Computer Applications* Formerly: *Comput. Appl. Nat. & Soc. Sci. (GB)* Department of Geography, The University, Nottingham, NG7 2RD, England
- Comput. Appl. Nat. & Soc. Sci. (GB)**  
*Computer Applications in the Natural and Social Sciences* Title changed to: *Comput. Appl. (GB)*
- Comput. Appl. Serv. (USA)**  
*Computer Applications Service* American Data Processing, Inc., 19830 Mack Avenue, Detroit, Mich. 48236, USA
- Comput. Biol. & Med. (GB)**  
*Computers in Biology and Medicine* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Comput. Bull. (GB)**  
*Computer Bulletin* British Computer Society, 29 Portland Place, London, W1N 4AP, England
- Comput. Contrib. (USA)**  
*Computer Contributions* Kansas Geological Survey, University of Kansas, Lawrence, Kansas 66044, USA
- Comput. Decis. (USA)**  
*Computer Decisions* Hayden Publishing Co., 50 Essex Street, Rochelle Park, N.J. 07662, USA
- Comput. Des. (USA)**  
*Computer Design* P.O. Box A, Winchester, Mass. 01890, USA
- Comput. Educ. (GB)**  
*Computer Education* Enfield College of Technology, Queensway, Enfield, Middlesex, England
- Comput. Group News (USA)**  
*Computer Group News* Institute of Electrical & Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Comput. Inf. (GB)**  
*Computer Information* Aslib Computer Information Group, 3 Belgrave Square, London, SW1, England. Editorial address: Alan Pritchard, c/o National Computing Centre Ltd., Quay House, Quay Street, Manchester M3 3HU
- Comput. J. (GB)**  
*Computer Journal* British Computer Society, 29 Portland Place, London, W1N 4AP, England
- Comput. Manage. (GB)**  
*Computer Management* Special Interest Publications, 196 Shaftesbury Avenue, London, WC2H 8JL, England
- Comput. Methods Appl. Mech. & Eng. (Netherlands)**  
*Computer Methods in Applied Mechanics and Engineering* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Comput. Phys. Commun. (Netherlands)**  
*Computer Physics Communications* North-Holland Publishing Co., P.O. Box 3489 Amsterdam-C, Netherlands
- Comput. Prax. (Germany)**  
*Computer Praxis* Verlag R. Oldenbourg, Rosenheimer Strasse 145, 8000 München 80, Germany
- Comput. Programs Biomed. (Netherlands)**  
*Computer Programs in Biomedicine* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Comput. Rep. (USA)**  
*Computing Report* International Business Machines Corp., Data Processing Division, 1133 Westchester Avenue, White Plains, N.Y. 10604, USA
- Comput. Stud. Hum. & Verbal Behav. (Netherlands)**  
*Computer Studies in the Humanities and Verbal Behavior* Mouton and Co., P.O. Box 1132, Den Haag, Netherlands
- Comput. Surv. (GB)**  
*Computer Survey* United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England
- Comput. Surv. (USA)**  
*Computing Surveys* Association for Computing Machinery, 1133 Avenue of the Americas, New York, N.Y. 10036, USA
- Comput. Wkly. (GB)**  
*Computer Weekly* IPC Business Press Ltd., 40 Bowling Green Lane, London, EC1, England
- Comput. Wkly. Int. (GB)**  
*Computer Weekly International* Issued with: *Comput. Wkly. (GB)*
- Computer (USA)**  
*Computer* Computer Society of the Institute of Electrical and Electronic Engineers, 8949 Reseda Boulevard, Suite 202, Northridge, Calif. 91324, USA
- Computing (Austria)**  
*Computing* Springer-Verlag, Molkerbastei 5, 1010 Wien, Austria
- COMSAT Tech. Rev. (USA)**  
*COMSAT Technical Review* Communications Satellite Corp., 950 L'Enfant Plaza, S.W., Washington, D.C. 20024, USA
- Comunicaciones (Cuba)**  
*Comunicaciones* Centro de Informacion de Comunicaciones, Ministerio de Comunicaciones, Habana, Cuba
- Contemp. Phys. (GB)**  
*Contemporary Physics* Taylor and Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England
- Contrib. Atmos. Phys. (GB)**  
*Contributions to Atmospheric Physics (Beitrage zur Physik der Atmosphere)* Formerly: *Beitr. Phys. Atmos. (Germany)* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England. Friedr. Vieweg & Sohn GmbH, P.O. Box 3367, D-33 Braunschweig, Germany
- Contrib. Geophys. Inst. Kyoto Univ. (Japan)**  
*Contributions of the Geophysical Institute, Kyoto University* Formerly: *Spec. Contrib. Geophys. Inst. Kyoto Univ. (Japan)* Kyoto, Japan
- Contrib. Inst. Low Temp. Sci. A (Japan)**  
*Contributions from the Institute of Low Temperature Sciences, Series A* Hokkaido University, Sapporo, Japan
- Control & Cybern. (Poland)**  
*Control and Cybernetics* Panstwowe Wydawnictwo Naukowe, W-WA, Miodowa 10, Warszawa, Poland
- Control & Instrum. (GB)**  
*Control & Instrumentation* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Control Cybern. & Autom. (Cuba)**  
*Control Cibernética y Automatización* Academia de Ciencias de Cuba, Paseo No. 452, Vedado, Apartado Postal No. 4019, Habana, Cuba
- Control Eng. (USA)**  
*Control Engineering* Dun-Donnelly Publishing Corp., 666 Fifth Avenue, New York, N.Y. 10017, USA
- Controller (Germany)**  
*The Controller* International Federation of Air Traffic Controllers' Associations, S.C. 11, 6 Frankfurt am Main 60 Bornheimer Landwehr 57a, Germany
- Copper (GB)**  
*Copper* Copper Development Association, Orchard House, Mutton Lane, Potters Bar, Herts, England
- Corros. Sci. (GB)**  
*Corrosion Science* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Corrosion (USA)**  
*Corrosion* National Association of Corrosion Engineers, 2400 West Loop South, Houston, Tex. 77027, USA

- Cosmic Electrodyn. (Netherlands)**  
*Cosmic Electrodynamics* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Cosmic Res. (USA)**  
*Cosmic Research* [Translation of: *Kosm. Issled. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Cost & Manage. (Canada)**  
*Cost and Management* Society of Industrial Accountants of Canada, Box 176, 154 Main Street, Hamilton, Ontario, Canada
- Courr. Norm. (France)**  
*Courrier de la Normalisation* Association Francaise De Normalisation, Tour Europe Cedex 7, 92080 Paris La Defense, France
- CQ Radio Amat. J. (USA)**  
*CQ Radio Amateur's Journal* 14 Vanderventer Avenue, Port Washington, Long Island, N.Y. 11050, USA
- Crit. Rev. Solid State Sci. (USA)**  
*Critical Reviews in Solid State Sciences* Chemical Rubber Co., 18901 Cranwood Parkway, Cleveland, Ohio 44128, USA
- Cryog. & Ind. Gases (USA)**  
*Cryogenics and Industrial Gases* Business Communications Inc., 2800 Euclid Avenue, Cleveland, Ohio 44115, USA
- Cryogenics (GB)**  
*Cryogenics* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Cryst. Lattice Defects (GB)**  
*Crystal Lattice Defects* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Cryst. Struct. Commun. (Italy)**  
*Crystal Structure Communications* c/o Istituto di Chimica Generale della Universita di Parma, Via M D'Azeglio 85, 43100 Parma, Italy
- Curr. Sci. (India)**  
*Current Science* Current Science Association, Raman Research Institute, Bangalore 6, India
- Cybernetica (Belgium)**  
*Cybernetica* International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium
- Cybernetics (USA)**  
*Cybernetics* [Translation of: *Kibernetika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y., 10011, USA
- Czech. Heavy Ind. (Czechoslovakia)**  
*Czechoslovak Heavy Industry* RAPID, 13 ul. 28. rijna, Praha 1, Czechoslovakia
- Czech. J. Phys. B (Czechoslovakia)**  
*Czechoslovak Journal of Physics, Section B* Czechoslovak Academy of Science, Akademia, Vodickova 40, Praha 1, Czechoslovakia
- Daedalus (USA)**  
*Daedalus (Proceedings of the American Academy of Arts and Sciences)* 280 Newton Street, Brookline Station, Boston, Mass. 02146, USA
- Dainichi-Nippon Cables Rev. (Japan)**  
*Dainichi-Nippon Cables Rev.* Dainichi-Nippon Cables Ltd., Umeda Bldg., 7-3 Umeda, Kita-ku, Osaka, Japan
- Danfoss J. (Denmark)**  
*Danfoss Journal* Danfoss Manufacturing Co., Nordborg, Denmark
- Data (Netherlands)**  
*Data* Vereniging van Technisch Hoger Personeel der PTT, Van Hoornbeekstraat 36, 's, Gravenhage, Netherlands
- Data Base (USA)**  
*Data Base* Association of Computing Machinery, 1133 Avenue of the Americas, New York, N.Y. 10036, USA
- Data Manage. (USA)**  
*Data Management* Data processing Management Association, 505 Busse Highway, Park Ridge, Ill. 60068, USA
- Data Process. Dig. (USA)**  
*Data Processing Digest* 6820 La Tijera Boulevard, Los Angeles, Calif. 90045, USA
- Data Process. Educ. (USA)**  
*Data Processing for Education* Computer Digest, 1309 Cherry Street, Philadelphia, Pa. 19107, USA
- Data Process. Mag. (USA)**  
*Data Processing Magazine* North American Publishing Co., 134 North Thirteenth Street, Philadelphia, Pa. 19107, USA
- Data Process. Mag. Data Dyn. (USA)**  
*Data Processing Magazine's Data Dynamics* North American Publishing Co., 134 North Thirteenth Street, Philadelphia, Pa. 19107, USA
- Data Process. Pract. (GB)**  
*Data Processing Practitioner* MSOR Limited Publications Division, 288 High Street, Croydon, Surrey, CRO ING, England
- Data Processing (GB)**  
*Data Processing* IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England
- Data Processor (USA)**  
*Data Processor* Data Processing Division, International Business Machines Corp., 112 East Post Road, White Plains, N.Y. 10601, USA
- Data Rep. (Germany)**  
*Data Report* Siemens AG, 8000 Munich 25, Hofmannstrasse 43, Germany
- Data Syst. (GB)**  
*Data Systems* Business Publications Ltd., Mercury House, Waterloo Road, London, SE1, England
- Datamation (USA)**  
*Datamation* Technical Publishing Co., 1301 South Grove Avenue, Barrington, Ill. 60010, USA
- Dawe Dig. (GB)**  
*Dawe Digest* Dawe Instruments Ltd., Concord Road, London, W3, England
- Decuscope (USA)**  
*Decuscope* Digital Equipment Corp., 146 Main Street Maynard, Mass. 01754, USA
- Deep-Sea Res. (GB)**  
*Deep-Sea Research* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Def. Sci. J. (India)**  
*Defence Science Journal* Metcalf House, New Delhi 6, India
- Delft Prog. Rep. Ser. A (Netherlands)**  
*Delft Progress Report Series A: Chemistry and Physics, Chemical and Physical Engineering* Delft University Press, Julianalaan 134, NL-2208 Delft, Netherlands
- Des. Electron. (GB)**  
*Design Electronics* IPC Electrical-Electronics Press, Dorset House, Stamford Street, London, SE1, England
- Des. Eng. (GB)**  
*Design Engineering* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Des. News (USA)**  
*Design News* Rogers Publishing Co., 270 St. Paul Street, Denver, Colo. 80206, USA
- Desalination (Netherlands)**  
*Desalination* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Direct Curr. & Power Electron. (GB)**  
*Direct Current and Power Electronics* Wynn Williams (Publishers) Ltd., Centenary Buildings, King Street, Wrexham, Wales
- DISA Inf. (Denmark)**  
*Danske Industri Syndikat A/S Information* DISA Elektronik A/S, Herlev, Denmark
- Discrete Math. (Netherlands)**  
*Discrete Mathematics* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Discuss. Faraday Soc. (GB)**  
*Discussions of the Faraday Society* 6 Gray's Inn Square, London, WC1, England
- Doc. & Bibl. (Canada)**  
*Documentation et Bibliothèques* Formerly: *Assoc. Can. Bibl. Lang. Fr. Bull. (Canada)* Association Canadienne des Bibliothecaires de Langue Francaise, 360 rue Le Moyne, Montreal 125, Canada
- Documentaliste (France)**  
*Documentaliste* A.D.B.S., 61 rue du Cardinal-Lemoine, Paris 5, France
- Dokl. Akad. Nauk SSSR**  
*Doklady Akademii Nauk SSSR* Leninskii Prosp. 14, Moskva, USSR [English translations of selected articles in: *Sov. Phys.-Dokl. (USA)*]
- Dopov. Akad. Nauk UkrSR. Ser. A (USSR)**  
*Dopovidi Akademii Nauk Ukrain's'koj RSR. Seriya A Fiziko-Tekhnichni ta Matematichni Nauki* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Dtsch. Eisenbahntechnik. (Germany)**  
*Deutsche Eisenbahntechnik* Title changed to: *Eisenbahntechnik (Germany)*
- Dyna (Spain)**  
*Dyna* Association Nacional De Ingenieros Industriales de Espana, AL. Mazarredo, 69, 5 Bilbao 9, Apartado 646, Spain
- E Qual. (Netherlands)**  
*E Quality* European Organisation for Quality Control, P.O. Box 299, Kruisplein 1-11, Rotterdam 3, Netherlands
- Earth & Extrater. Sci. (GB)**  
*Earth and Extraterrestrial Sciences* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Earth & Planet. Sci. Lett. (Netherlands)**  
*Earth and Planetary Science Letters* North-Holland Publishing Co., P.O. Box 211, Amsterdam-C, Netherlands
- EBU Rev. A (Belgium)**  
*EBU Review, Part A (Technical)* Technical Centre of the European Broadcasting Union, 32 Avenue Albert Lancaster, Bruxelles 18, Belgium
- Echo Rech. (France)**  
*L'Echo des Recherches* Centre National d'Etudes des Telecommunications, 38/40 rue du General Leclerc, 92-Issy-les-Moulineaux, France
- Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania)**  
*Economic Computation and Economic Cybernetics Studies and Research* Centre of Economic Computation and Economic Cybernetics, Bucuresti, Rumania
- EDP Anal. (USA)**  
*EDP Analyzer* 925 Anza Avenue, Vista, Calif. 92083, USA
- EDP Eur. Rep. (GB)**  
*EDP Europa Report* IDC Europa Ltd., 59 Grays Inn Road, London, WC1X 8TL, England
- Educ. Broadcast. Int. (GB)**  
*Educational Broadcasting International* Wynn Williams (Publishers) Ltd., Centenary Buildings, King Street, Wrexham, Wales
- Educ. Stud. Math. (Netherlands)**  
*Educational Studies in Mathematics* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Educ. Technol. (USA)**  
*Educational Technology* Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, N.J. 07632, USA
- EE/Syst. Eng. Today (USA)**  
*EE/Systems Engineering Today* Formerly: *Electron. Engineer (USA)* Chilton Co., Chilton Way, Radnor, Pa. 19089, USA
- EEG & Clin. Neurophysiol. (Netherlands)**  
*Electroencephalography and Clinical Neurophysiology* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- EEL Bull. (USA)**  
*EEL Bulletin* Edison Electric Institute, 90 Park Avenue, New York, N.Y. 10001, USA
- Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR)**  
*Eesti NSV Teaduste Akadeemia Fuusika ja Astronoomia Instituudi Uurimused* Na Russkon yayke izdatel'stvo 'Vadgus', Tallin, Pyarnuskoe Shosse 10, USSR
- EID- Electron. Instrum. (USA)**  
*EID- Electronic Instrumentation* Milton S Kiver Publications, 222 West Adams Street, Chicago, Ill. 60606, USA
- Eisenbahntechnik (Germany)**  
*Eisenbahntechnik* Formerly: *Dtsch. Eisenbahntechnik. (Germany)* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Electr. & Electron. Tech. Eng. (GB)**  
*Electrical and Electronics Technician Engineer* Title changed to: *Electrotechnology (GB)*
- Electr. Automob. (France)**  
*L'Electricite Automobile* 59 Rue du Faubourg-Poissonniere, 75009 Paris, France
- Electr. Conf. Cond. J. (USA)**  
*Electric Comfort Conditioning Journal* Electrical Information Publications, 2132 Fordem Avenue, Madison, Wis. 53701, USA
- Electr. Commun. (USA)**  
*Electrical Communication* International Telephone and Telegraph Corporation, 320 Park Avenue, New York, N.Y., 10022, USA



**Electr. Commun. Lab. Tech. J. (Japan)**

*Electrical Communication Laboratories Technical Journal* Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan

**Electr. Constr. & Maint. (USA)**

*Electrical Construction and Maintenance* McGraw-Hill Publishing Co., 330 West 42nd Street, New York, N.Y. 10036, USA

**Electr. Constr. Eng. (Japan)**

*Electrical Construction Engineering* Japan Electrical Contractors Association, 7-8 1 chome, Motoakasaki, Minatoku Tokyo, Japan

**Electr. Eng. (Australia)**

*Electrical Engineer* Tait Publishing Co., 415 Bourke Street, Melbourne, Victoria 3000, Australia

**Electr. Eng. Jap. (Japan)**

*Electrical Engineering in Japan* [Translation of: *Trans. Inst. Electr. Eng. Jap. (Japan)*] Scripta Publishing Corp., 1511 K Street, N.W., Washington, D.C. 20005, USA

**Electr. Eng. Rev. (Pakistan)**

*Electrical Engineering Review* West Pakistan University of Engineering and Technology, Lahore-31, Pakistan

**Electr. Equip. (GB)**

*Electrical Equipment* Mercury House Business Publications Ltd., Broadwall House, Broadwall, London, SE1 9PN, England

**Electr. India**

*Electrical India* The Indian Electrical Manufacturers' Association, 2nd Floor, 18 Military Square Lane, Kalaghoda, Bombay 1, India

**Electr. Light & Power (USA)**

*Electric Light and Power* Cahners Publishing Co., Cahners Building, 270 St. Paul Street, Denver, Colo. 80206, USA

**Electr. Rev. (GB)**

*Electrical Review* IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England

**Electr. Superv. (GB)**

*Electrical Supervisor* Association of Supervisory and Executive Engineers, Wix Hill House, West Horsley, Surrey, England

**Electr. Technol. USSR (GB)**

*Electric Technology USSR* [Translation of: *Elektrichestvo (USSR)*] Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Electr. Times (GB)**

*Electrical Times* Dorset House, Stamford Street, London, SE1 9LU, England

**Electr. World (USA)**

*Electrical World* McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, N.Y. 10020, USA

**Electra (France)**

*Electra* 112 Boulevard Hausmann, 75 Paris 8, France

**Electra (Netherlands)**

*Electra* NV Drukkerij Levisson, Plaspoelpolder de Bruyn Kopsstraat 10, Rijswijk ZH, Netherlands

**Electricidade (Portugal)**

*Electricidade* Empresa Editorial Electrotecnica Edel, Rua de Dona Estefania, 48, 3., Esq., Lisboa 1, Portugal

**Electricien (France)**

*L'Electricien* Central Des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

**Electricite (Belgium)**

*Electricite. Revue de l'Union des Exploitations Electriques en Belgique* 4 Galerie Ravenstein, Bruxelles 1000, Belgium

**Electro Calcul & Autom. (France)**

*Electro Calcul et Automatisme* Editions PDP, 11 rue Tronchet, Paris 8, France

**Electro Metalia (Spain)**

*Electro Metalia* Joaquin Garcia Morato, 4, Apartado 10133, Madrid (11), Spain

**Electro-Opt. Syst. Des. (USA)**

*Electro-Optical Systems Design* Milton S. Kiver Publications Inc., 222 West Adams, Chicago, Ill. 60606, USA

**Electro-Rev. (Switzerland)**

*Electro-Revue* 8027 Zurich, Spilgenstrasse 6, Switzerland

**Electro-Technol. (India)**

*Electro-Technology* Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India

**Electroacoustique (Belgium)**

*Electroacoustique* Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium

**Electrochim. Acta (GB)**

*Electrochimica Acta* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Electrodeposition & Surf. Treat. (Switzerland)**

*Electrodeposition and Surface Treatment* Elsevier Sequoia S.A., P.O. Box 851, CH-1001-Lausanne 1, Switzerland

**Electromech. Des. (USA)**

*Electromechanical Design* 167 Corey Road, Brookline, Mass. 02146, USA

**Electromyography & Clin. Neurophysiol. (Belgium)**

*Electromyography and Clinical Neurophysiology* Formerly: *Electromyography (Belgium)* Nauwelaerts Publishing House, Mgr. Ladeuzepelein 2, B-3000 Louvain, Belgium

**Electromyography (Belgium)**

*Electromyography* Title changed to: *Electromyography & Clin. Neurophysiol. (Belgium)*

**Electron (Canada)**

*Electron* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

**Electron (GB)**

*Electron* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1, England

**Electron Technol. (Poland)**

*Electron Technology* Polish Scientific Publishers, Swietokryzka 21, Warszawa, Poland

**Electron. & Commun. (Canada)**

*Electronics and Communications* Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario, Canada

**Electron. & Commun. Jap. (USA)**

*Electronics and Communications in Japan* Scripta Publishing Corp., 1511 K Street N.W., Washington, D.C. 20005, USA. English translation of selected articles from *Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)*

**Electron. & Fis. Apl. (Spain)**

*Electronica y Fisica Aplicada* Centro de Investigaciones Fisicas, Serrano, 144, Madrid 6, Spain

**Electron. & Instrum. (S. Africa)**

*Electronics and Instrumentation* Thomson Publications S.A. (Pty) Ltd., Marcuson Centre, Cor. Menton and Park Roads, Richmond, P.O. Box 8308, Johannesburg, South Africa

**Electron. & Microelectron. Ind. (France)**

*Electronique & Microelectronique Industrielles* Societe des Editions Radio, 9 rue Jacob, Paris 6, France

**Electron. & Power (GB)**

*Electronics and Power. Journal of the Institution of Electrical Engineers* Savoy Place, London, WC2R 0BL, England

**Electron. Appl. (Netherlands)**

*Electronic Applications* Title changed to: *Electron. Appl. Bull. (Netherlands)*

**Electron. Appl. Bull. (Netherlands)**

*Electronic Applications Bulletin* Formerly: *Electron. Appl. (Netherlands)* N.V. Philips' Gloeilampenfabrieken, Electronic Components and Materials Division, Eindhoven, Netherlands. N.V. Uitgeverijmaatschappij Centrex, Eindhoven

**Electron. Aust. (Australia)**

*Electronics Australia* 12th floor, 235-242 Jones Street, Broadway, Sydney, N.S.W., Australia

**Electron. Components (GB)**

*Electronic Components* Bannock Press Ltd., 117/123 King Street, London, W6 9JG, England

**Electron. Des. (USA)**

*Electronic Design* Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, N.J. 07662, USA

**Electron. Engineer (USA)**

*Electronic Engineer* Title changed to: *EE/Syst. Eng. Today (USA)*

**Electron. Engineering (GB)**

*Electronic Engineering* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England

**Electron. Equip. News (GB)**

*Electronic Equipment News* Mercury House Business Publications Ltd., Broadwall House, Broadwall, London, SE1 9PN, England

**Electron. Lett. (GB)**

*Electronics Letters* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England

**Electron. Manuf. (GB)**

*Electronics Manufacturer* Trade News Ltd., Drummond House, 203/209 North Gower Street, London, NW1, England

**Electron. Med. (France)**

*Electronique Medicale* Editions PDP, 11 rue Tronchet, Bureau 743, Paris 8, France

**Electron. Packag. & Prod. (Int. Ed.) (USA)**

*Electronic Packaging and Production* Title changed to: *Electron. Prod. Methods & Equip. (GB)*

**Electron. Prod. Methods & Equip. (GB)**

*Electronic Production Methods and Equipment* Formerly: *Electron. Pack. & Prod. (Int. Ed.) (USA)* Kiver-Patterson Publishing, 322 St John Street, London, EC1, England

**Electron. Prog. (USA)**

*Electronic Progress* Raytheon Co., Lexington, Mass. 02173, USA

**Electron. S. Afr. (S. Africa)**

*Electronics in Southern Africa* Thomson Newspapers South Africa Ltd., Trust House, Foreshore, P.O. Box 80, Cape Town, South Africa

**Electron. Today (India)**

*Electronics Today* 4-A Naaz Bldg., Lamington Road, Bombay-4, India

**Electron. World (USA)**

*Electronics World* Title changed to: *Pop. Electron. incl. Electron. World (USA)*

**Electronics (USA)**

*Electronics* McGraw-Hill Publishing Co., 330 West 42nd Street, New York, N.Y. 10036, USA

**Electrophotography (Japan)**

*Electrophotography* Society of Electrophotography of Japan, Tokyo, Japan

**Electroplating & Met. Finish. (GB)**

*Electroplating and Metal Finishing* Wheatland Journals Ltd., 157 Hagden Lane, Watford, WD1 8LW, England

**Electrotechnology (GB)**

*Electrotechnology* Formerly: *Electr. & Electron. Tech. Eng. (GB)* Institution of Electrical and Electronics Technician Engineers, 2 Savoy Hill, London, WC2R 0BS, England

**Electrotehnica (Rumania)**

*Electrotehnica* Str. Ion Ghica 3, Bucuresti, Rumania

**Elektr. & Teplovoznaya Tyaga (USSR)**

*Elektricheskaya i Teplovoznaya Tyaga* Sadova-Chernogryaeskaya 3-a, Moskva B-174., USSR

**Elektr. Ausruestung (Germany)**

*Elektrische Ausruestung* Vogel Verlag, Wurzburg, Germany

**Elektr. Bahnen (Germany)**

*Elektrische Bahnen* R.Oldenbourg, Rosenheimer Strasse 145, Munchen 8, Germany

**Elektr. Masch. (Germany)**

*Elektrische Maschinen* Dr. Alfred Huthig Verlag, 6900 Heidelberg, Wilkenstrasse 3/5, Germany

**Elektr. Muhendisligi (Turkey)**

*Elektrik Muhendisligi* Elektrik Muhendisleri Odasi, Ihlamur sokak, 10/1, Yenisehir, Ankara, Turkey

**Elektr. Stantsii (USSR)**

*Elektricheskie Stantsii* Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR

**Elektrichestvo (USSR)**

*Elektrichestvo* Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translations of selected articles in: *Electr. Technol. USSR (GB)*]

**Elektrie (Germany)**

*Elektrie* Kammer der Technik, Fachverband Elektrotechnik Publication address: VEB Verlag Technik, Oranienburger Strasse 13-14, Berlin 102, Germany

**Elektrizitaet (Germany)**

*Elektrizitaet* Verlags- und Wirtschaftsgesellschaft der Elektrizitaetswerke mbH, 6000 Frankfurt am Main 70, Stressemannallee 23, Germany

**Elektrizitaetsverwertung (Switzerland)**

*Elektrizitaetsverwertung (L'Electricite -Electrical Service)* Elektrowirtschaft, Victoriahaus, Bahnhofplatz 9, Postfach 2272, 8023 Zurich, Switzerland

**Elektrizitaetswirtschaft (Germany)**

*Elektrizitaetswirtschaft* VDEW, Stressemannallee 23, 6000 Frankfurt (Main) 70, Germany

**Elektro (Norway)**

*Elektro* Formerly: *Elektrotek. Tidsskr. (Norway)* Ingeniorsforlaget A/S, Ingeniørenes Hus, Kronprinsensgt. 17, Boks 2476, Oslo 2, Norway

**Elektro Prom.-st. & Priborostr. (Bulgaria)**

*Elektro Promishlenost i Priborostroene* Poshcenska Kutea 550, Ulitsa "Tsar Simeon" 100, Sofia, Bulgaria

**Elektro-Anz. (Germany)**

*Elektro-Anzeiger* Verlag W. Girardet, 43, Essen, Postfach 9, Germany

**Elektro-Monteur (Switzerland)**

*Elektro-Monteur* Hans Schwere, Neugutstrasse 8, 5000 Aarau, Switzerland

**Elektroenerg. & Avtom. (USSR)**

*Elektroenergetika i Avtomatika* Izdatel'stvo "Shtiintsa", Kishinev 277612, Pr. Lenina 1, USSR

**Elektrokhimiya (USSR)**

*Elektrokhimiya* Institut-Elektrokhimii. Akademiya Nauk SSSR, Moskva-V71, Leninskii Prospekt 31, USSR [English translation in: *Sov. Electrochem. (USA)*]

**Elektromeister + Dtsch. Elektrohandwerk (Germany)**

*Elektromeister + Deutsches Elektrohandwerk* Deutsches Elektrohandwerk Verlagsgesellschaft mbH & Co. KG, 8 München 19, Lazarettstrasse 4, Germany

**Elektron Int. (Austria)**

*Das Elektron International* "Elektron"-Verlag, Postfach 156, A-4010 Linz-Donau, Austria

**Elektron. Anz. (Germany)**

*Elektronik Anzeiger* Verlag W. Girardet, 43 Essen, Girardetstrasse 2-36, Germany

**Elektron. Ind. (Germany)**

*Elektronik Industrie* Dr. Alfred Huthig Verlag GmbH, 6900 Heidelberg, Postfach 727, Germany

**Elektron. Informationsverarb. Kybern. (Germany)**

*Elektronische Informationsverarbeitung und Kybernetik (EIK)* Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin, Germany

**Elektron. J. (Germany)**

*Elektronik Journal* Europa Fachpresse Verlag GmbH, 8 München 23, Leopoldstrasse 175, Germany

**Elektron. Obrab. Mater. (USSR)**

*Elektronnaya Obrabotka Materialov* Academy of Sciences of the Moldavian SSR, Agent: Mezhdunarodnaya Kniga, Moskva G 200, USSR [English translation in: *Appl. Electr. Phenom. (USA)*]

**Elektron. Rechenanlagen (Germany)**

*Elektronische Rechenanlagen* R. Oldenbourg, Rosenheimerstr. 145, 8 München 80, Germany

**Elektron. Tekh. 12 (USSR)**

*Elektronnaya Tekhnika. Seriya 12* Ministerstvo Elektronnoy Promishlennosti SSSR, Institut "Elektronika", Moskva, USSR

**Elektronik (Denmark)**

*Elektronik* Teknisk Forlag A/S, Dansk Ingeniørenes Forlag, Skelbækgade 4, 1717 København V, Denmark. IPC Business Press Ltd., 161-168 Fleet Street, London, EC4, England

**Elektronik (Germany)**

*Elektronik* Franzis-Verlag, Postfach 37, München 37, Germany

**Elektronika (Poland)**

*Elektronika* Editorial address: Warszawa, ul. Barbary 2, Poland

**Elektroniker (Switzerland)**

*Der Elektroniker* Aargauer Tagblatt AG, 5001 Aarau, Switzerland

**Elektroprivreda (Yugoslavia)**

*Elektroprivreda* Yugoslav Electricity Union and the Association of Yugoslav Electrical Industry. Editorial address: Balkauska 13-15, Beograd, Yugoslavia

**Elektrosvyaz (USSR)**

*Elektrosvyaz* Ministerstvo svyazi SSR, USSR [English translation in: *Telecommun. & Radio Eng. Pt. 1 (USA)*]

**Elektrotech. & Maschinenbau (EuM) (Austria)**

*Elektrotechnik und Maschinenbau* Elektrotechnischer Verein Österreichs, Eschenbachgasse 9, A-1010 Wien. Publisher: Springer-Verlag, Molkerbastei 5, A-101 Wien, Austria

**Elektrotech. Cas. (Czechoslovakia)**

*Elektrotechnický Casopis* Bratislava, Senicka 15, Czechoslovakia

**Elektrotech. Obzor (Czechoslovakia)**

*Elektrotechnický Obzor* Krakovska ul. c8, Praha 1, Czechoslovakia

**Elektrotech. Z. (ETZ) A (Germany)**

*Elektrotechnische Zeitschrift. Ausgabe A: Wissenschaftliches Zentralblatt für Elektrotechnik* Verband Deutscher Elektrotechniker Publication address: VDE-Verlag, Bismarckstrasse 33, 1000 Berlin 12, Germany

**Elektrotech. Z. (ETZ) B (Germany)**

*Elektrotechnische Zeitschrift. Ausgabe B: Der Elektrotechniker* Verband Deutscher Elektrotechniker Publication address: VDE-Verlag, Bismarckstrasse 33, 1000 Berlin 12, Germany

**Elektrotechniek (Netherlands)**

*Elektrotechniek* Eendrachtstraat 2, Postbus 6, Meppel, Netherlands

**Elektrotechnik (Czechoslovakia)**

*Elektrotechnik* Krakovska 8, Praha 1, Czechoslovakia

**Elektrotechnik (Germany)**

*Elektrotechnik* Vogel-Verlag, Würzburg, Germany

**Elektrotechnika (Hungary)**

*Elektrotechnika* P.O. Box 149, Budapest 62, Hungary

**Elektroteh. Vestn. (Yugoslavia)**

*Elektrotehnički Vestnik* Editorial address: YU-61001 Ljubljana, P.O. Box 92 - II, Trzaska 25, Yugoslavia

**Elektrotehnika (Yugoslavia)**

*Elektrotehnika* Elektrotehničko Društvo Hrvatske, Bevilaviceva 6, Zagreb, Yugoslavia

**Elektrotek. Tidsskr. (Norway)**

*Elektroteknisk Tidsskrift* Title changed to: *Elektro (Norway)*

**Elektrotehnika (USSR)**

*Elektrotehnika* Editorial address: 4 Khoromnyi tupik, Moskva B-78, USSR [English translation in: *Sov. Electr. Eng. (USA)*]

**Elektrotekniker (Denmark)**

*Elektroteknikerne* Elektroteknisk Forening. Radhusstraede 6, 1466, 6 København K, Denmark

**Elektrowarme (Austria)**

*Elektrowarme* Issued with: *Oesterr. Z. Elektrizitaetswirtsch. (OEZE)* (Austria)

**Elektrowarme (Germany)**

*Internationale Zeitschrift für Elektrowarme* Vulkan-Verlag Dr. W. Classen, Haus Technik, 43 Essen, Postfach 7049, Germany. Now published in 2 parts: *Elektrowarme Int. A* and *B*

**Elektrowarme Int. A (Germany)**

*Elektrowarme International, Edition A* Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany

**Elektrowarme Int. B (Germany)**

*Elektrowarme International, Edition B* Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany

**Elétrificazzione (Italy)**

*Elétrificazzione* Editoriale Delfino, Via S. d'Orsenigo 25, 20135 Milano, Italy

**Ellettron. & Telecomun. (Italy)**

*Electronica e Telecomunicazioni* Via Arsenale 41, 10121 Torino, Italy

**Elletrotecnica (Italy)**

*Elletrotecnica* Ufficio Centrale AEI, Viale Monza 259, 20126 Milano, Italy

**Elin-Z. (Austria)**

*Elin-Zeitschrift* Elin-Union, Penzinger Strasse 76, 1141 Wien XIV, Austria

**Elek. Aktuell Elektron. (Sweden)**

*Elektronik med Aktuell Elektronik* Formerly: *Elektronik (Sweden)* Ingenjorsforlaget AB, Box 40058, 103 42 Stockholm, Sweden

**Elektronik (Sweden)**

*Elektronik* Title changed to: *Elek. Aktuell Elektron. (Sweden)*

**Endeavour (GB)**

*Endeavour* Imperial Chemical Industries, North Block, Thames House, Millbank, London, SW1P 4QE, England

**Energ. & Atomtech. (Hungary)**

*Energia es Atomtechnika* Kladja a Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

**Energ. & Tech. (Germany)**

*Energie und Technik* L.A.Klepzig Verlag, Friedrichstrasse 112, 4 Düsseldorf 1, Germany

**Energ. Elet. (Italy)**

*Energia Elettrica* via Revere 14, Milano 20123, Italy

**Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)**

*Energie Fluide et Lubrification + Hydraulique Pneumatique Asservissements* Title changed to: *Energ. Fluide (France)*

**Energ. Fluide (France)**

*Energie Fluide* Formerly: *Energ. Fluide & Lubr. Hydraul. Pneum. Asservissements (France)* Union Française de Publications Techniques, 40 rue du Colisée, 75 Paris 8, France

**Energetica (Romania)**

*Energetica* Calea Victoriei 109, Bucuresti, Rumania

**Energetik (USSR)**

*Energetik* Editorial address: B.Cherkasskii per. 2, Moskva K-12, USSR

**Energetika (Czechoslovakia)**

*Energetika* Spalena ul. 51, Praha 1 Subscription address: Artia, Vesmeckach 30, Praha 1, Czechoslovakia

**Energetyka (Poland)**

*Energetyka* Subscription address: Wydawnictwa Czasopism Technicznych NOT, ul. Mazowiecka 12, Warszawa, Poland

**Energia Nuclear (Spain)**

*Energia Nuclear* Junta de Energia Nuclear, Avda. Complutense 22, Ciudad Universitaria, Madrid-3, Spain

**Energia Nucleare (Italy)**

*Energia Nucleare* Via Redecesio 12, Segrate, Milano, Italy

**Energie (Belgium)**

*Energie* Association des Centrales Electrique industrielles de Belgique, Sq. Marie-Louise 49, 1040 Bruxelles, Belgium

**Energie (Germany)**

*Energie* Technischer Verlag Resch KG, 8032 Grafelfing, Postfach 60, Germany

**Energie Nucleaire (France)**

*Energie Nucleaire* Societe de Productions Documentaires, 80 Avenue de 18-Juin-1940, 92500 Rueil-Malmaison, France

**Energieanwendung (Germany)**

*Energieanwendung* VEB Deutscher Verlag für Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

**Energetechnik (Germany)**

*Energetechnik* VEB Deutscher Verlag für Grundstoffindustrie, Karl-Heine-Strasse 27, 7031 Leipzig, Germany

**Energiewirtsch. Tagesfragen (Germany)**

*Energiewirtschaftliche Tagesfragen* Energiewirtschaft und Technik Verlagsgesellschaft mbH, 8032 Grafelfing bei München, Maria-Eich-Strasse 96, Germany

**Energija (Yugoslavia)**

*Energija* Zagreb, Utica Proleterskih Brigada 37, Post. pretinac 451, Yugoslavia

**Energopomiar (Poland)**

*Energopomiar, Biuletyn Nakowa-Techniczny Zakladu Baden i Pomiarow* Issued with: *Energetyka (Poland)*

**Energy Convers. (GB)**

*Energy Conversion* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Energy Int. (USA)**

*Energy International* Miller Freeman Publications, 500 Howard Street, San Francisco, Calif., 94105, USA

**Energy Policy (GB)**

*Energy Policy* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England

**Eng. Cybern. (USA)**

*Engineering Cybernetics* [Translation of: *Tekh. Kibern. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, D.C. 20005, USA

**Eng. Dig. (GB)**

*Engineers' Digest* 120 Wigmore Street, London, W1H OAS, England

**Eng. Econ. (USA)**

*Engineering Economist* American Society for Engineering Education, Engineering Education Division, 300 West Chestnut Street, Ephrata, Pa. 17522, USA

**Eng. Fract. Mech. (GB)**

*Engineering Fracture Mechanics* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Eng. J. (Canada)**

*Engineering Journal* Engineering Institute of Canada, 700 EIC Building, 2050 Mansfield Street, Montreal 110, Quebec, Canada

**Eng. Mater. & Des. (GB)**

*Engineering Materials & Design* IPC Business Press, 33-40 Bowling Green Lane, London, EC1R ONE, England



- Eng. Med. (GB)**  
*Engineering in Medicine* Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England
- Engineer (GB)**  
*Engineer* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Engineer Suppl. (GB)**  
*Engineer Supplement* Issued with: *Engineer (GB)*
- Engineering (GB)**  
*Engineering* Engineering, Chemical & Marine Press, 33/39 Bowling Green Lane, London, EC1P 1AH, England
- Engelhard Ind. Tech. Bull. (GB)**  
*Engelhard Industries Technical Bulletin* St. Nicholas House, St. Nicholas Road, Sutton, Surrey, England
- Environ. Eng. (GB)**  
*Environmental Engineering* Title changed to: *J. Soc. Environ. Eng. (GB)*
- EOS Trans. Am. Geophys. Union (USA)**  
*EOS Transactions of the American Geophysical Union* 1707 L Street, N.W., Washington, DC 20036, USA
- ERA (Sweden)**  
*ERA* Foreningen for Elektricitetens Rationella Anvandning, Norrtullsgatan 6, Stockholm VA, Sweden
- ERA J. (GB)**  
*ERA Journal* Electrical Research Association, Cleeve Road, Leatherhead, Surrey, England
- Ericsson Rev. (Sweden)**  
*Ericsson Review* L.M. Ericsson, S-126 11 Stockholm 32, Sweden
- Ericsson Tech. (Sweden)**  
*Ericsson Technics* L.M. Ericsson, S-126 11 Stockholm 32, Sweden
- ERT Elektron. Radio Telev. (Finland)**  
*ERT Elektronikka Radio Televisio* Suomen Teknillinen Seura, Yrjonkatu 30, 001000 Helsinki 10, Finland
- Escher Wyss News (Switzerland)**  
*Escher Wyss News* Escher Wyss Ltd., 8023 Zurich, Switzerland
- ESRO/ELDO Bull. (France)**  
*ESRO/ELDO Bulletin* ESRO/Press and Information Service, ELDO, 114 Avenue Charles-de-Gaulle, 92-Neuilly-sur-Seine, France
- Eur. Ind. Rev. (Germany)**  
*Europa Industrie Revue* Vogel-Verlag, 8700 Wurzburg, Postfach 800, Germany
- Euro-Spectra (Belgium)**  
*Euro-Spectra* General Dissemination of Information, Rue de la Loi 200, 1040 Brussels, Belgium
- Eval. Eng. (USA)**  
*Evaluation Engineering* A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, Ill. 60035, USA
- Exp. Tech. Phys. (Germany)**  
*Experimentelle Technik der Physik* VEB Deutscher Verlag der Wissenschaften, Taubenstrasse 10, 108 Berlin 8, Germany
- Feingerate Tech. (Germany)**  
*Feingerate Technik* VEB Verlag Technik, Oranienberger Strasse 13/14, 102 Berlin, Germany
- Feinwerktech. & Micronic (Germany)**  
*Feinwerktechnik & Micronic* Carl Hanser Verlag, D-8000 Munchen 80, Kolbergerstrasse 22, Germany
- Fernmelde-Ing. (Germany)**  
*Fernmelde-Ingenieur* Verlag fur Wissenschaft und Leben, Georg Heidecker, Kulsheimer Strasse 11, 8532 Bad Windsheim, Germany
- Fernmelde-Praxis (Germany)**  
*Fernmelde-Praxis* Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1 Berlin 61, Germany
- Fernmeldetechnik (Germany)**  
*Fernmeldetechnik* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Fernseh- & Kino-Tech. (Germany)**  
*Fernseh- und Kino-Technik* Verlag fur Radio Foto Kinotechnik GmbH, 1 Berlin 52 (Borsigwalde), Eichborndamm 141-167, Germany
- Fernwarme Int. (Germany)**  
*Fernwarme International* 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany
- Ferroelectrics (GB)**  
*Ferroelectrics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Fertigungstech. & Betr. (Germany)**  
*Fertigungstechnik und Betrieb* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany
- Fields & Quanta (GB)**  
*Fields and Quanta* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Finance (USA)**  
*Finance* P. O. Box 11146, Church Street Station, New York, N.Y. 10049, USA
- Finomech. & Mikrotech. (Hungary)**  
*Finommechanika-Mikrotechnika* Formerly: *Finommechanika (Hungary)* Vadasz utca 16, Budapest 5, Hungary
- Finommechanika (Hungary)**  
*Finommechanika* Title changed to: *Finommech. & Mikrotech. (Hungary)*
- Fiz. & Khim. Obrab. Mater. (USSR)**  
*Fizika i Khimiya Obrabotki Materialov* Institut Metallurgii, Akademiyi Nauk SSSR, 117334 Moskva B-334, Leninskii Prospekt 49, USSR
- Fiz. & Tekh. Poluprovodn. (USSR)**  
*Fizika i Tekhnika Poluprovodnikov* Publisher: Academy of Sciences of the USSR, 'Nauka' Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys. Semicond. (USA)*]
- Fiz. Elem. Chastits & At. Yadra (USSR)**  
*Fizika Elementarnykh Chastits i Atomnogo Yadra* 103031 Moskva, K-31, Ul. Zhilanova 5/7, USSR [English translation in: *Sov. J. Part. & Nucl. (USA)*]
- Fiz. Gorennya & Vzryva (USSR)**  
*Fizika Gorennya i Vzryva* Academy of Sciences USSR, Moskva, USSR [English translation in: *Combust. Explos. & Shock Waves (USA)*]
- Fiz. Met. & Metalloved. (USSR)**  
*Fizika Metallov i Metallovedenie* Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk, USSR [English translation in: *Phys. Met. & Metallogr. (GB)*]
- Fiz. Plazmy & Probl. Upr. Termoyad. Sint. (USSR)**  
*Fizika Plazmy i Problemy Upravlyayemogo Termoyadernogo Sinteza* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Fiz. Sz. (Hungary)**  
*Fizikai Szemle* Kiadja a Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary
- Fiz. Tver. Tela (USSR)**  
*Fizika Tverdogo Tela* Academy of Sciences Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Solid State (USA)*]
- Fiz.-Khim. Mekh. Mater. (USSR)**  
*Fiziko-Khimicheskaya Mekhanika Materialov* Izdatel'stvo 'Nauka Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Mater. Sci. (USA)*]
- Fizika (Yugoslavia)**  
*Fizika* 'Mladost' Export-Import, Zagreb, Ilica 30, Yugoslavia
- Fluid Apparech. Idraul. & Pneum. (Italy)**  
*Fluid Apparechature Idrauliche e Pneumatiche* 20154 Milano, via Mantegna 6, Italy
- Fluid Dyn. (USA)**  
*Fluid Dynamics* [Translation of: *Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Fluid Power Int. (GB)**  
*Fluid Power International* Riverside House, Hough Street, Woolwich, London, SE18, England
- Fluid. Mech. Sov. Res. (USA)**  
*Fluid Mechanics - Soviet Research* Scripta Publishing Corp., 1511 K Street, N.W., Washington, D.C. 20005, USA
- Fluid. Q. (USA)**  
*Fluidics Quarterly* P.O. Box 1244, Ann Arbor, Mich. 48106, USA
- Focus (GB)**  
*Focus* Issued with: *Electr. Times (GB)*
- Foedern & Heben (Germany)**  
*Foedern und Heben* Krausskopf Verlag fur Wirtschaft GmbH, 65 Mainz, Lessingstrasse 12-14, Postfach 2760, Germany
- Forschungsber. Landes Nordrhein-Westfalen (Germany)**  
*Forschungsberichte des Landes Nordrhein-Westfalen* Westdeutscher Verlag, Ophovenstrasse 1-3, Postfach 1620, Koln, Germany
- Fortschr. Chem. Forsch. (Germany)**  
*Fortschritte der Chemischen Forschung (Topics in Current Chemistry)* Springer Verlag, 1000 Berlin 33, Heidelberger Platz 3, Germany
- Fortschr. Phys. (Germany)**  
*Fortschritte der Physik* Publication addresses: Akademie-Verlag, Leipzigerstrasse 3-4, Berlin 108, Kunst und Wissen, Wilhelmstrasse 4-6, 7 Stuttgart 7, Foreign orders to: Deutscher Buch-Export-und Import, Leninstrasse 16, Leipzig 701, Germany
- Found. Lang. (Netherlands)**  
*Foundations of Language* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Found. Phys. (GB)**  
*Foundations of Physics* Plenum Publishing Co., 8 Scrubs Lane, Harlesden, London, NW10 6SE, England
- Fra Fys. Verden (Norway)**  
*Fra Fysikkens Verden* Fysisk Institutt, Universitetet i Trondheim, Norges Laererhøgskole, 7000 Trondheim, Norway
- Freddo (Italy)**  
*Il Freddo* Milano, Via Donatello 8, Italy
- Frequenz (Germany)**  
*Frequenz* Fachverlag Schiele und Schon, Markgrafenstrasse 11, 1 Berlin 61, Germany
- Fuji Electr. J. (Japan)**  
*Fuji Electric Journal* Fuji Electric Co., Tokyo, Japan
- Fuji Electr. Rev. (Japan)**  
*Fuji Electric Review* Fuji Electric Co. Ltd., 11, 1-chome, Yurakucho, Chiyoda-ku, Tokyo, Japan
- Fujikura Tech. Rev. (Japan)**  
*Fujikura Technical Review* Fujikura Cable Works Ltd., 5-1, 1-chome Kiba, Koto-ku, Tokyo, Japan
- Fujitsu Sci. & Tech. J. (Japan)**  
*Fujitsu Scientific and Technical Journal* Fujitsu Ltd., 1015 Kamikodanaka, Kawasaki City, Kanagawa, Japan
- Funk-Fachhaendler (Germany)**  
*Funk-Fachhaendler* Verlag Neuer Merkur GmbH, 8 Munchen 22, Postfach 475, Kaulbachstrasse 51a, Germany
- Funk-Tech. (Germany)**  
*Funk-Technik* Verlag fur Radio-Foto-Kinotechnik GmbH, 1 Berlin 52, Borsigwalde, Eichborndamm 141-167, Germany
- Furukawa Electr. Rev. (Japan)**  
*Furukawa Electric Review* Furukawa Electric Co., 8, 2-chome, Marunouchi, Chiyoda-ku, Tokyo, Japan
- Fys. Tidsskr. (Denmark)**  
*Fysisk Tidsskrift* Subscription address: Jul. Gjellerups Boghandel, Solvgade 87, 1307 Kobenhavn, Denmark
- Fyz. Cas. (Czechoslovakia)**  
*Fyzikálny Casopis* Title changed to: *Acta Phys. Slovaca (Czechoslovakia)*
- Galvanotechnik (Germany)**  
*Galvanotechnik* Eugen G. Leuze Verlag, 7968 Saulgau (Wurt.), Postfach 8, Germany
- Gaz. Astron. (Belgium)**  
*Gazette Astronomique* Sterrenkundig Genootschap van Antwerpen, 1 Leeuw van Vlaanderenstraat, Antwerpen, Belgium
- Gaz. Mat. (Portugal)**  
*Gazeta de Matematica* Rue-Diario de Noticias, 134-1º, Lisboa, Portugal
- GEC J. Sci. & Technol. (GB)**  
*GEC Journal of Science & Technology* Formerly: *J. Sci. & Technol. (GB)* General Electric Co. Ltd., 1 Stanhope Gate, London, W1A 1EH, England
- GEC Telecommun. (GB)**  
*GEC Telecommunications* GEC Telecommunications Ltd., P.O. Box 53, Coventry, CV3 1JH, England
- GEC-AEI Telecommun. (GB)**  
*GEC-AEI Telecommunications* Title changed to: *GEC Telecommun. (GB)*
- Geliotekhnika (USSR)**  
*Geliotekhnika* Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Sol. Energy (USA)*]

- Gen. Relativ. & Gravitation (GB)**  
*General Relativity and Gravitation* Plenum Publishing Co. Ltd., Davis House, 8 Scrubs Lane, London, NW10 6SE, England
- Geoeexploration (Netherlands)**  
*Geoeexploration* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Geofiz. Kosmenyek (Hungary)**  
*Geofizikai Kosmenyek* Muszaki Konyvkiado, Budapest, Hungary
- Geofiz. Sb. (USSR)**  
*Geofizicheskii Sbornik* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Geofys. Publ. (Norway)**  
*Geofysiske Publikasjoner* Universitetsforlaget, P.O. Box 301, Blindern, Oslo 3, Norway
- Geomagn. & Aeron. (USA)**  
*Geomagnetism and Aeronomy* [Translation of: *Geomagn. & Aeron. (USSR)*] American Geophysical Union, Suite 435, 2100 Pennsylvania Avenue, Washington, D.C. 20037, USA
- Geomagn. & Aeron. (USSR)**  
*Geomagnetizm i Aeronomiya* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Geomagn. & Aeron. (USA)*]
- Geophys. Fluid Dyn. (GB)**  
*Geophysical Fluid Dynamics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Geophys. J. R. Astron. Soc. (GB)**  
*Geophysical Journal of the Royal Astronomical Society* Burlington House, London, W1, England
- Geophys. Prospect. (Netherlands)**  
*Geophysical Prospecting* European Association of Exploration Geophysicists, 30, Carel van Bylandtlaan, Den Haag, Netherlands
- Geophys. Surv. (Netherlands)**  
*Geophysical Surveys* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Geophysics (USA)**  
*Geophysics* Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, Okla. 74103, USA
- GEOS (Canada)**  
*GEOS* Department of Energy, Mines and Resources, Ottawa, Canada
- Geotechnics (Japan)**  
*Geotechnics* Geotechnical Research Office, Nippon Geophysical Prospecting Co., 2-21, 2-chome, Nakamagome, Ohta-ku, Tokyo, Japan
- Gerlands Beitr. Geophys. (Germany)**  
*Gerlands Beitrage zur Geophysik* Akademische Verlags-gesellschaft Geest und Portig, Sternwartenstr. 8, 701 Leipzig 1, Germany
- Gidromekhanika (USSR)**  
*Gidromekhanika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Gidrotekh. Stroit. (USSR)**  
*Gidrotekhnicheskoe Stroitel'stvo* Agent: Mezhdunarodnaya Kniga, Moskva, USSR
- Glasers Ann. (Germany)**  
*Glasers Annalen* Title changed to: *Z. Eisenbahnwes. & Verkehrstechn. (Glasers Ann.) (Germany)*
- Glass & Ceram. (USA)**  
*Glass and Ceramics* [Translation of: *Steklo & Keram. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Glass (GB)**  
*Glass* Fuel & Metallurgical Journals Ltd., John Adam House, 17/19 John Adam Street, London, WC2N 6JH, England
- Glass Technol. (GB)**  
*Glass Technology* Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England
- Glastech. Ber. (Germany)**  
*Glastechnische Berichte* Deutschen Glastechnischen Gesellschaft, 6 Frankfurt am Main, Beckenhimer Landstrasse 126, Germany
- Grundig Tech. Inf. (Germany)**  
*Grundig Technische Informationen* Grundig Werke GmbH, 8510 Furth (Bayern), Kurgartenstrasse 37, Germany
- Grundlagenstud. Kybern. & Geisteswiss. (Germany)**  
*Grundlagenstudien aus Kybernetik und Geisteswissenschaft* Verlag Schnelle GmbH, Quickborn in Holstein, Germany
- GTE Autom. Electr. Tech. J. (USA)**  
*GTE Automatic Electric Technical Journal* GTE Automatic Electric Laboratories Inc., Northlake, Ill. 60164, USA
- Harv. Bus. Rev. (USA)**  
*Harvard Business Review* Graduate School of Business Administration, Harvard University, Cambridge, Mass. 02138, USA
- Hasler Rev. (Switzerland)**  
*Hasler Review* Hasler Ltd., Belpstrasse 23, 3000 Berne 14, Switzerland
- Hausmitt. Jos. Schneider (Germany)**  
*Hausmittelungen Jos. Schneider* Optische Werke, 655 Bad. Kreuznach, Postfach 947, Germany
- Hawker Siddeley Tech. Rev. (GB)**  
*Hawker Siddeley Technical Review* Hawker Siddeley Group, Duke's Court, 32 Duke's Street, London, SW1, England
- Health Phys. (GB)**  
*Health Physics* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Heat Transfer - Jap. Res. (USA)**  
*Heat Transfer - Japanese Research* Scripta Publishing Corp., 1511 K Street, N.W., Washington, D.C. 20005, USA
- Heat Transfer - Sov. Res. (USA)**  
*Heat Transfer - Soviet Research* Scripta Publishing Corp., 1511 K Street, N.W., Washington, D.C. 20005, USA
- Heat. & Vent. Eng. (GB)**  
*Heating and Ventilating Engineer* Technitrade Journals Ltd., 11-13 Southampton Row, London, WC1, England
- Hebezeuge & Foerdm. (Germany)**  
*Hebezeuge und Foerdmittel* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Heiz. Luftung Klimatech. Haustechn. (Germany)**  
*Heizung Luftung Klimatechnik Haustechnik* VDI-Verlag GmbH, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany
- Helv. Phys. Acta (Switzerland)**  
*Helvetica Physica Acta* Schweizerische Physikalische Gesellschaft, Publisher: Birkhauser, Elisabethenstr. 19, Basel 10, Switzerland
- Her. Libr. Sci. (India)**  
*Herald of Library Science* C1, Banaras Hindu University, Varanasi-5, India
- Hermesdorfer Tech. Mitt. (Germany)**  
*Hermesdorfer Technische Mitteilungen* Kombinat VEB Keramische Werke Hermesdorf, Hermesdorf/Thuringen, Germany
- Hewlett-Packard J. (USA)**  
*Hewlett-Packard Journal* 1501 Page Mill Road, Palo Alto, Calif. 94304, USA
- High Temp. (USA)**  
*High Temperature* [Translation of: *Teplofiz. Vys. Temp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- High Temp. Sci. (USA)**  
*High Temperature Science* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA
- High Temp.-High Pressures (GB)**  
*High Temperatures - High Pressures* Pion Ltd., 207 Brondesbury Park, London, NW2, England
- Hiradastechnika (Hungary)**  
*Hiradastechnika* Scientific Society of Telecommunication Engineering Editorial address: October 6 utca 7 IV.421, Budapest V, Hungary
- Hiradstech. Ipari Kut. Intez. Kozl. (Hungary)**  
*Hiradstechnikai Ipari Kutato Intezet Kozlomenyei* Industrial Research Institute for Electronics 'Hiki', Hungary. Editorial address: Gellert u 12/Vezeto, Budapest IV
- Hitachi Hyoron (Japan)**  
*Hitachi Hyoron* Hitachi Hyoronsha, Tokyo, Japan
- Hitachi Rev. (Japan)**  
*Hitachi Review* Ohm-sha Co., No. 1, 3-chome, Kanda Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan
- Holecopst (Netherlands)**  
*Holecopst* Holec NV, Postbus 23, Hengelo, Netherlands
- Holecotechniek (Netherlands)**  
*Holecotechniek* P.O. Box 23, Hengelo, Netherlands
- Honeywell Comput. J. (USA)**  
*Honeywell Computer Journal* Honeywell Inc., Electronic Data Processing Division, Wellesley Hills, Mass. 02181, USA
- Hosp. Eng. (GB)**  
*Hospital Engineering* Peter Peregrinus, P.O. Box 8, Southgate House, Stevenage, Herts, England
- Hosp. Financ. Manage. (USA)**  
*Hospital Financial Management* 840 North Lake Shore Drive, Chicago, Ill. 60611, USA
- Houille Blanche (France)**  
*La Houille Blanche* 5, Chemin des Marronniers, (38) Grenoble (Isere), France
- Hum. Factors (USA)**  
*Human Factors* Johns Hopkins Press, Baltimore, Md. 21218, USA
- Hung. Heavy Ind. (Hungary)**  
*Hungarian Heavy Industries* Budapest 62, P.O. Box 106, Hungary
- Hydraul. & Pneum. (USA)**  
*Hydraulics and Pneumatics* Industrial Publishing Co., 614 Superior Avenue West, Cleveland, Ohio 44113, USA
- Hydraul. Pneum. Power (GB)**  
*Hydraulic Pneumatic Power* Crown House, Morden, Surrey, England
- Hydrospace (GB)**  
*Hydrospace* Title changed to: *Offshore Serv. (GB)*
- I & C S (USA)**  
*I and C S (Instruments and Control Systems)* Formerly: *Instrum. & Control Syst. (USA)* Chilton Co., Chilton Way, Radnor, Pa. 19089, USA
- IAG J. (Netherlands)**  
*IAG Journal* Title changed to: *Manage. Inf. (Netherlands)*
- IATUL Proc. (GB)**  
*IATUL Proceedings* International Association of Technological University Libraries, c/o Library, University of Technology, Loughborough, Leics, England
- IBA Tech. Rev. (GB)**  
*IBA Technical Review* Independent Broadcasting Authority, 70 Brompton Road, London, SW3 1EY, England
- IBM J. Res. & Dev. (USA)**  
*IBM Journal of Research and Development* International Business Machines Corporation, Armonk, New York, N.Y. 10504, USA
- IBM Nachr. (Germany)**  
*IBM Nachrichten* Internationale Buro-Maschinen GmbH, 7032 Sindelfingen bei Stuttgart, Germany
- IBM Syst. J. (USA)**  
*IBM Systems Journal* International Business Machines Corporation, Armonk, New York, N.Y. 10504, USA
- IBM Tech. Disclosure Bull. (USA)**  
*IBM Technical Disclosure Bulletin* International Business Machines Corp., Box 218, Yorktown Heights, N.Y. 10598, USA
- Icarus (USA)**  
*Icarus* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA
- IEC Bull. (Switzerland)**  
*IEC Bulletin* International Electrotechnical Commission, 1 rue de Varembe, 1211 Geneva 20, Switzerland
- IEE Rev. (GB)**  
*IEE Reviews* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England
- IEE-IERE Proc. India (GB)**  
*I.E.E.-I.E.R.E. Proceedings - India* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England. Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG
- IEEE Electrolatina (Mexico)**  
*IEEE Electrolatina* Institute of Electrical & Electronics Engineers, Monte Libano 875, Mexico 10, DF, Mexico
- IEEE J. Quantum Electron. (USA)**  
*IEEE Journal of Quantum Electronics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- IEEE J. Solid-State Circuits (USA)**  
*IEEE Journal of Solid-State Circuits* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- IEEE Spectrum (USA)**  
*IEEE Spectrum* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA



**IEEE Trans. Aerosp. & Electron. Syst. (USA)**

*IEEE Transactions on Aerospace and Electronic Systems* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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*IEEE Transactions on Antennas and Propagation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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**IEEE Trans. Broadcast & Telev. Receivers (USA)**

*IEEE Transactions on Broadcast and Television Receivers* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Broadcast. (USA)**

*IEEE Transactions on Broadcasting* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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*IEEE Transactions on Circuit Theory* Institute of Electrical and Electronics Engineer, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Commun. (USA)**

*IEEE Transactions on Communications* Formerly: *IEEE Trans. Commun. Technol. (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Commun. Technol. (USA)**

*IEEE Transactions on Communication Technology* Title changed to: *IEEE Trans. Commun. (USA)*

**IEEE Trans. Comput. (USA)**

*IEEE Transactions on Computers* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Educ. (USA)**

*IEEE Transactions on Education* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Electr. Insul. (USA)**

*IEEE Transactions on Electrical Insulation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Electromagn. Compat. (USA)**

*IEEE Transactions on Electromagnetic Compatibility* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Electron Devices (USA)**

*IEEE Transactions on Electron Devices* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Eng. Manage. (USA)**

*IEEE Transactions on Engineering Management* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Eng. Writ. & Speech (USA)**

*IEEE Transactions on Engineering Writing and Speech* Title changed to: *IEEE Trans. Prof. Commun. (USA)*

**IEEE Trans. Geosci. Electron. (USA)**

*IEEE Transactions on Geoscience Electronics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Ind. & Gen. Appl. (USA)**

*IEEE Transactions on Industry and General Applications* Title changed to: *IEEE Trans. Ind. Appl. (USA)*

**IEEE Trans. Ind. Appl. (USA)**

*IEEE Transactions on Industry Applications* Formerly: *IEEE Trans. Ind. & Gen. Appl. (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Ind. Electron. & Control Instrum. (USA)**

*IEEE Transactions on Industrial Electronics and Control Instrumentation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Inf. Theory (USA)**

*IEEE Transactions on Information Theory* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Instrum. & Meas. (USA)**

*IEEE Transactions on Instrumentation and Measurement* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Magn. (USA)**

*IEEE Transactions on Magnetics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Manuf. Technol. (USA)**

*IEEE Transactions on Manufacturing Technology* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Microwave Theory & Tech. (USA)**

*IEEE Transactions on Microwave Theory and Techniques* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Nucl. Sci. (USA)**

*IEEE Transactions on Nuclear Science* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Parts, Hybrids & Packag. (USA)**

*IEEE Transactions on Parts, Hybrids and Packaging* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Plasma Sci. (USA)**

*IEEE Transactions on Plasma Science* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Power Appar. & Syst. (USA)**

*IEEE Transactions on Power Apparatus and Systems* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Prof. Commun. (USA)**

*IEEE Transactions on Professional Communications* Formerly: *IEEE Trans. Eng. Writ. & Speech (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Reliab. (USA)**

*IEEE Transactions on Reliability* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Sonics & Ultrason. (USA)**

*IEEE Transactions on Sonics and Ultrasonics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IEEE Trans. Syst., Man & Cybern. (USA)**

*IEEE Transactions on Systems, Man and Cybernetics* Institution of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA. Incorporating *IEEE Trans. Syst. Sci. & Cybern. (USA)* and *IEEE Trans. Man-Mach. Syst. (USA)*

**IEEE Trans. Veh. Technol. (USA)**

*IEEE Transactions on Vehicular Technology* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**IES Light. Rev. (Australia)**

*IES Lighting Review* Illuminating Engineering Society of Australia, P.O. Box 4628, Sydney, 2001, N.S.W., Australia

**IHI Eng. Rev. (Japan)**

*IHI Engineering Review* Ishikawajima-Harima Heavy Industries Co. Ltd., 3-2-16 Toyosu, Koto-ku Tokyo, Japan

**Image Technol. (USA)**

*Image Technology* Graphics Management Corp., 1101 Sixteenth Street, N.W., Washington, D.C. 20036, USA

**IMPI Newsl. (Canada)**

*IMPI Newsletter* Issued with: *J. Microwave Power (Canada)*

**Incremental Motion Control Syst. Devices Newsl. (USA)**

*Incremental Motion Control Systems and Devices Newsletter* University of Illinois, Urbana, Ill. 61801, USA

**Ind. & Eng. Chem., Fundam. (USA)**

*Industrial and Engineering Chemistry, Fundamentals* American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA

**Ind. & Eng. Chem., Process Des. & Dev. (USA)**

*Industrial and Engineering Chemistry, Process Design and Development* American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA

**Ind. & Eng. Chem., Prod. Res. & Dev. (USA)**

*Industrial and Engineering Chemistry, Product Research and Development* American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA

**Ind. At. & Spat. (France)**

*Industries Atomiques & Spatiales* Formerly: *Sci. & Ind. Spat. (Switzerland)* SERTNA S.A., 29 avenue R. Poincaré, Paris 16, France

**Ind. Eng. (USA)**

*Industrial Engineering* American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, Ga. 30071, USA

**Ind. Equip. Mater. & Serv. (GB)**

*Industrial Equipment Materials & Services* Envoy Journals Ltd., 67 Clerkenwell Road, London, EC1, England

**Ind. Finish. & Surf. Coatings (GB)**

*Industrial Finishes and Surface Coatings* Wheatland Journals Ltd., 157 Hagden Lane, Watford, WD1 8LW, England

**Ind. Ital. Elettrotec. & Eletttron. (Italy)**

*Industria Italiana Elettrotecnica ed Elettronica* Edizioni Techniche s.a.s., 20122 Milano, via Podgora 15, Italy

**Ind. Lab. (USA)**

*Industrial Laboratory* [Translation of: *Zavod. Lab. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

**Ind. Math. (USA)**

*Industrial Mathematics* Industrial Mathematics Society, P.O. Box 159, Roseville, Mich. 48066, USA

**Ind. Med. & Surg. (USA)**

*Industrial Medicine & Surgery* Medical Publications for Industry Inc., 918 North East 20th Avenue, P.O. Box 7151, Fort Lauderdale, Fla. 33304, USA

**Ind. Photogr. (USA)**

*Industrial Photography* 750 Third Avenue, New York, N.Y. 10017, USA

**Ind. Train. Int. (GB)**

*Industrial Training International* M.G. Scott Ltd., 17 Crouch Hill, Finsbury Park, London, N4, England

**Ind.-Anz. (Germany)**

*Industrie-Anzeiger* Verlag W. Girardet, 43 Essen. Girardetstrasse 2-36, Postfach 9, Germany

**Indian & East Eng.**

*Indian and Eastern Engineer* 'Sohrab House', 235 Dr.D.Naoroji Road, Bombay 1, India

**Indian J. Chem.**

*Indian Journal of Chemistry* Council of Scientific and Industrial Research, Hillside Road, New Delhi 12, India

**Indian J. Mar. Sci.**

*Indian Journal of Marine Sciences* Council of Scientific & Industrial Research, Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India

**Indian J. Meteorol. & Geophys.**

*Indian Journal of Meteorology and Geophysics* Indian Meteorological Department. Publication address: Civil Lines, Delhi-6, India

**Indian J. Phys.**

*Indian Journal of Physics* 2 and 3 Lady Willingdon Road, Raja Subodhchandra, Mallick Road, Calcutta 32, India

**Indian J. Power & River Val. Dev.**

*Indian Journal of Power and River Valley Development* 6/2 Madan Street, Calcutta 13, India

**Indian J. Pure & Appl. Math.**

*Indian Journal of Pure and Applied Mathematics* National Institute of Sciences India, Bahadur Shah Zafar Marg, New Delhi 1, India

**Indian J. Pure & Appl. Phys.**

*Indian Journal of Pure and Applied Physics* Council of Scientific and Industrial Research, Hillside Road, New Delhi 110012, India

**Indian J. Radio & Space Phys.**

*Indian Journal of Radio & Space Physics* Council of Scientific & Industrial Research. Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India

**Indian J. Technol.**

*Indian Journal of Technology* Council of Scientific & Industrial Research, Hillside Road, New Delhi 110012, India

**Indian J. Theor. Phys.**

*Indian Journal of Theoretical Physics* Institute of Theoretical Physics, 4/1 Mohan Bagan Lane, Calcutta 4, India

**Inf. & Control (USA)**

*Information and Control* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**Inf. & Gestion (France)**

*Informatique et Gestion* Place de Latre-de-Tassigny, Paris 16, France

**Inf. Bull. Isot. Generators (France)**

*Information Bulletin on Isotopic Generators* European Nuclear Energy Agency, 38 Boulevard Suchet, 75 Paris 16, France

**Inf. Bull. Lib. Autom. Syst. Inf. Exch. (Australia)**

*Information Bulletin of the Library Automated Systems Information Exchange* Editorial address: New South Wales Institute of Technology, P.O. Box 123, Broadway, N.S.W. 2007, Australia

**Inf. Disp. (USA)**

*Information Display* Title changed to: *SID. J. (USA)*

**Inf. Elektron. (Hungary)**

*Informacio Elektronika* Statistikai Kiado Vallalat, Budapest II, Keleti Karoly utca 18/b, Hungary

**Inf. Process. Lett. (Netherlands)**

*Information Processing Letters* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Inf. Rade Koncar (Yugoslavia)**

*Informacije Rade Koncar* Produzeca "Rade Koncar", Post pret. 304, Falevo Set, 22, Zagreb, Yugoslavia

**Inf. Sciences (USA)**

*Information Sciences* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA

**Inf. Scientist (GB)**

*Information Scientist* Institute of Information Scientists, 5-7 Russia Row, London, EC2, England

**Inf. Storage & Retr. (GB)**

*Information Storage and Retrieval* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**INFOR (Canada)**

*INFOR. Canadian Journal of Operational Research and Information Processing* P.O. Box 2225, Station D, Ottawa, Ontario, Canada

**Informatie (Netherlands)**

*Informatie* Editorial address: Leeuwerikstraat 1, Warmenhuizen (N.H.), Netherlands

**Informatik (Germany)**

*Informatik* Zentralinstitut für Information und Dokumentation, DDR 117, Berlin, Kopenicker Strasse 325, Germany

**Information Part 1 (USA)**

*Information, Part 1. News-Sources-Profiles* Science Associates/International Inc., 23 East 26th Street, New York, N.Y. 10010, USA

**Information Part 2 (USA)**

*Information, Part 2. Reports-Bibliographies* Science Associates/International Inc., 23 East 26th Street, New York, N.Y. 10010, USA

**Informatologia Yugoslavica**

*Informatologia Yugoslavica* Univerzitet u Zagreb, Referalni Centar, Trg. Marsala Tita 3, P.O. Box 327, 41001 Zagreb, Yugoslavia

**Informatyka (Poland)**

*Informatyka* Wydawnictwa Czasopism Technicznych, NOT, Warszawa, Czackiego 3/5, Poland

**Infrared Phys. (GB)**

*Infrared Physics* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Ing. & Tech. (France)**

*Ingenieurs et Techniciens* 30 rue Tronchet, Paris 9, France

**Ing. Electr. & Mec. (Venezuela)**

*Ingeniería Eléctrica y Mecánica* Organo de la Asociación Venezolana de Ingenieros Eléctricos y Mecánicos, Apartado 6255, Caracas, Venezuela

**Ing. Ferrov. (Italy)**

*Ingegneria Ferroviaria* Piazza Croce Rossa, Roma, Italy

**Ing. Mec. & Electr. (Mexico)**

*Ingeniería Mecánica y Eléctrica* Asociación Mexicana de Ingenieros Mecánicos y Electricistas, Culiacan 115, Mexico 11, D.F., Mexico

**Ing.-Arch. (Germany)**

*Ingenieur-Archiv* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

**Ingegneria (Italy)**

*L'Ingegnere* Associazione Nazionale Ingegnerie Architetti Italiani, Piazza Sallusto 24, Roma 3, Italy

**Ingenieur (Canada)**

*L'Ingenieur* L'Association des Diplomes de Polytechnique, 2500 Avenue Marie-Guyard, Montreal 250, Canada

**Ingenieur (Netherlands)**

*De Ingenieur* Koninklijk Instituut van Ingenieurs. Editorial address: 23 Prinsesgracht, Den Haag, Netherlands

**Inorg. & Nucl. Chem. Lett. (GB)**

*Inorganic and Nuclear Chemistry Letters* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Inorg. Mater. (USA)**

*Inorganic Materials* [Translation of: *Izv. Akad. Nauk SSSR Neorg. Mater.*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

**INSPEL (USA)**

*INSPEL. International Journal of Special Libraries* International Federation of Library Associations, Special Libraries Section, c/o Karl A. Baer, 1625 L Street N.W., Washington, D.C. 20036, USA

**Inst. Eng. Aust. Civil Eng. Trans. (Australia)**

*Institution of Engineers, Australia, Civil Engineering Transactions* Science House, Gloucester and Essex Streets, Sydney 2000, N.S.W., Australia

**Inst. Eng. Aust. Electr. Eng. Trans. (Australia)**

*Institution of Engineers, Australia, Electrical Engineering Transactions* Science House, Gloucester and Essex Streets, Sydney 2000, N.S.W., Australia

**Inst. Eng. Aust. Mech. & Chem. Eng. Trans. (Australia)**

*Institution of Engineers, Australia, Mechanical and Chemical Engineering Transactions* Institution of Engineers, Science House, Gloucester and Essex Streets, Sydney, N.S.W., Australia

**Instrum. & Control Eng. (GB)**

*Instrument and Control Engineering* IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England

**Instrum. & Control Syst. (USA)**

*Instruments and Control Systems* Title changed to: *I & C S (USA)*

**Instrum. & Exp. Tech. (USA)**

*Instruments and Experimental Techniques* [Translation of: *Prib. & Tekh. Eksp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA

**Instrum. & Lab. (France)**

*Instruments and Laboratories* Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France

**Instrum. India**

*Instruments India* A-32, Navyug Niwas, Dr. D. Bhadkamkar Marg, Bombay-7 (WB), India

**Instrum. Pract. (GB)**

*Instrument Practice* Title changed to: *Process Instrum. (GB)*

**Instrum. Technol. (USA)**

*Instrumentation Technology* Instrument Society of America, 400 Stanwix St., Pittsburgh, Pa. 15222, USA

**Instrumentation (USA)**

*Instrumentation* Honeywell Inc., Fort Washington, Philadelphia, Pa. 19034, USA

**Insul. Eng. Electr. & Electron. (GB)**

*Insulation Engineer Electrical & Electronics* Southbank Publishing Ltd., 54-55 Wilton Road, London, SW1, England

**Insul./Circuits (USA)**

*Insulation/Circuits* Lake Publishing Corp., Box 159, 700 Peterson Road, Libertyville, Ill. 60048, USA

**Int. At. Energy Agency Bull. (Austria)**

*International Atomic Energy Agency Bulletin* Karntnerring 11, P.O. Box 590 Wien, A-1011, Austria

**Int. Broadcast Eng. (GB)**

*International Broadcast Engineer* Whitton Press Ltd., 73-75 Goswell Road, London, EC1, England

**Int. Chem. Eng. (USA)**

*International Chemical Engineering* American Institute of Chemical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**Int. Elektron. Rundsch. (Germany)**

*Internationale Elektronische Rundschau* Verlag für Radio-Foto-Kinotechnik, Eichborndamm 141-167, 1 Berlin 52, Germany

**Int. J. Appl. Radiat. & Isot. (GB)**

*International Journal of Applied Radiation and Isotopes* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Circuit Theory & Appl. (GB)**

*International Journal of Circuit Theory and Applications* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex, England

**Int. J. Comput. & Inf. Sci. (GB)**

*International Journal of Computer & Information Sciences* Plenum Press, Davis House, 8 Scrubs Lane, Harlesden, London, NW10 6SE, England

**Int. J. Comput. Math. (GB)**

*International Journal of Computer Mathematics* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Int. J. Control (GB)**

*International Journal of Control* Taylor and Francis, Cannon House, Macklin Street, London, WC2B 5NF, England

**Int. J. Electr. Eng. Educ. (GB)**

*International Journal of Electrical Engineering Education* Wynn Williams (Publishers) Ltd., Centenary Buildings, King Street, Wrexham, Wales

**Int. J. Electron. (GB)**

*International Journal of Electronics* Taylor and Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England

**Int. J. Eng. Sci. (GB)**

*International Journal of Engineering Science* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Fract. (Netherlands)**

*International Journal of Fracture* Formerly: *Int. J. Fract. Mech. (Netherlands)* Noordhoff International Publishing, P.O. Box 26, Leiden, Netherlands

**Int. J. Fract. Mech. (Netherlands)**

*International Journal of Fracture Mechanics* Title changed to: *Int. J. Fract. (Netherlands)*

**Int. J. Game Theory (Austria)**

*International Journal of Game Theory* Physica-Verlag Rudolf Liebing KG, A-1010 Wien, Landesgerichtstrasse 20, Austria

**Int. J. Heat & Mass Transfer (GB)**

*International Journal of Heat and Mass Transfer* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Magn. (GB)**

*International Journal of Magnetism* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Int. J. Man-Mach. Stud. (GB)**

*International Journal of Man-Machine Studies* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England

**Int. J. Mass Spectrom. & Ion Phys. (Netherlands)**

*International Journal of Mass Spectrometry and Ion Physics* Elsevier Publishing Co., Amsterdam, Netherlands

**Int. J. Math. Educ. Sci. & Technol. (GB)**

*International Journal of Mathematical Education in Science and Technology* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex, England

**Int. J. Mech. Sci. (GB)**

*International Journal of Mechanical Sciences* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Non-Linear Mech. (GB)**

*International Journal of Non-Linear Mechanics* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Nondestr. Test. (GB)**

*International Journal of Nondestructive Testing* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Int. J. Nucl. Med. & Biol. (GB)**

*International Journal of Nuclear Medicine & Biology* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

**Int. J. Numer. Methods Eng. (GB)**

*International Journal for Numerical Methods in Engineering* John Wiley and Sons Ltd., Baffins Lane, Chichester, Sussex, England

**Int. J. Phys. Distrib. J. Ser. (GB)**

*International Journal of Physical Distribution, Journal Series MCB* (Physical Distribution Management) Ltd., 200 Keighley Road, Bradford, BD9 4JZ, Yorks, England

**Int. J. Phys. Distrib. Monogr. Ser. (GB)**

*International Journal of Physical Distribution, Monograph Series MCB* (Physical Distribution Management) Ltd., 200 Keighley Road, Bradford, BD9 4JZ, Yorks, England

**Int. J. Polym. Mater. (GB)**

*International Journal of Polymeric Materials* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Int. J. Quantum Chem. (USA)**

*International Journal of Quantum Chemistry* Interscience Publishers, 605 Third Avenue, New York, N.Y. 10016, USA

**Int. J. Radiat. Biol. (GB)**

*International Journal of Radiation Biology* Taylor and Francis, 10-14 Macklin Street, London, WC2B 5NF, England

**Int. J. Radiat. Phys. & Chem. (GB)**

*International Journal for Radiation Physics and Chemistry* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England



- Int. J. Rock Mech. & Min. Sci. (GB)**  
*International Journal of Rock Mechanics and Mining Sciences* Pergamon Press Ltd., 143 Fore Street, Exeter, EX4 3AP, England
- Int. J. Solids & Struct. (GB)**  
*International Journal of Solids and Structures* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Int. J. Sulfur Chem. A (GB)**  
*International Journal of Sulfur Chemistry Part A* Gordon & Breach Science Publishers Ltd., 41/42 William IV Street, London, WC2, England
- Int. J. Syst. Sci. (GB)**  
*International Journal of Systems Science* Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
- Int. J. Theor. Phys. (GB)**  
*International Journal of Theoretical Physics* Plenum Publishing Co. Ltd., Davis House, 8 Scrubs Lane, London, NW10 6SE, England
- Int. Libr. Rev. (GB)**  
*International Library Review* Academic Press, Berkeley Square House, Berkeley Square, London, W1X 6BA, England
- Int. Metall. Rev. (GB)**  
*International Metallurgical Reviews* Institute of Metals, 17 Belgrave Square, London, SW1X 8PU, England. American Society for Metals, Metals Park, Ohio 44073, USA
- Int. Railw. J. (GB)**  
*International Railway Journal* 8, St. George's Place, Brighton, Sussex, BN1 4GB, England
- Inter Connexion (France)**  
*Inter Connexion Constructeurs Français de Matériel d'Équipement Électrique*, 11 rue Hamelin, Paris 16, France
- Inter Electron. (France)**  
*Inter Electronique* 40 Rue de Colisee, Paris 8, France
- Interface (Netherlands)**  
*Interface Swets & Zeitlinger N.V.*, 347B Heereweg, Lisse, Netherlands
- Interfaces (USA)**  
*Interfaces* Formerly: *Bull. Inst. Manage. Sci. (USA)* Institute of Management Sciences, 146 Westminster Street, Providence, R.I. 02903, USA
- Inzh.-Fiz. Zh. (USSR)**  
*Inzhenerno-Fizicheski Zhurnal* Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]
- Ion Exch. & Membranes (GB)**  
*Ion Exchange and Membranes* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England
- Irish Astron. J.**  
*The Irish Astronomical Journal* Armagh Observatory, Northern Ireland
- Iron & Steel Eng. (USA)**  
*Iron and Steel Engineer* Association of Iron & Steel Engineers, Suite 2350, Three Gateway Centre, Pittsburgh, PA 15222, USA
- ISA Trans. (USA)**  
*ISA Transactions* Instrument Society of America, 400 Stanwix Street, Pittsburgh, Pa. 15222 Distributed by: Plenum Press, 227 West 17th Street, New York, N.Y. 10011, USA
- Ishikawajima-Harima Eng. Rev. (Japan)**  
*Ishikawajima-Harima Engineering Review* Ishikawajima-Harima Heavy Industries Co. Ltd., 3-chome, 2-16, Toyosu, Kotoku, Tokyo, Japan
- ISHM J. (USA)**  
*ISHM Journal* Issued with: *Solid State Technol. (USA)*
- ISI Bull. (India)**  
*ISI Bulletin* Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 1, India
- Isotopenpraxis (Germany)**  
*Isotopenpraxis* Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany
- Israel J. Chem.**  
*Israel Journal of Chemistry* Weizmann Science Press, P.O. Box 801, Jerusalem, Israel
- Israel J. Technol.**  
*Israel Journal of Technology* Weizmann Science Press, P.O. Box 801, 33 King George Avenue Jerusalem, Israel
- Itoji Nauk. & Tekh. Ser. Issled. Kosm. Prostranstva (USSR)**  
*Itoji Nauki i Tekhniki Seriya Issledovanie Kosmicheskogo Prostranstva* Akademiya Nauk SSSR, Institut Nauchnoi i Tekhnicheskoi Informatsii, Moskva, A-219, Baltiyskaya Ul. 14, USSR
- IVA Tidskr. Tekn.-vetensk. Forsk. (Sweden)**  
*IVA-Tidskrift för Teknisk-Vetenskaplig Forskning* Ingenjörsvetenskapsakademien, Box 5073, 102 42 Stockholm 5, Sweden
- Izmer. Tekh. (USSR)**  
*Izmeritel'naya Tekhnika* Academy of Sciences USSR Leningkii Prospekt, Moskva, USSR [English translation in: *Meas. Tech. (USA)*]
- Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)**  
*Izvestiya, Academy of Sciences USSR. Atmospheric and Oceanic Physics* Formerly: *Bull. Acad. Sci. USSR. Atmos. & Oceanic Phys. Ser. (USA)* [Translation of: *Izv. Akad. Nauk SSSR Fiz. Atmos. & Okean*] American Geophysical Union, 1707 L Street, N.W., Washington, D.C. 20036, USA
- Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)**  
*Izvestiya Academy of Sciences USSR, Physics of the Solid Earth* [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 1707 L Street, N.W., Washington, DC 20036, USA
- Izv. Akad. Nauk Arm. SSR Fiz. (USSR)**  
*Izvestiya Akademiya Nauk Armyanskoi SSR Fizika* Editorial address: Erevan-GCP, Berekamutyan 24 B, USSR
- Izv. Akad. Nauk Arm. SSR, Ser. Tekh. Nauk (USSR)**  
*Izvestiya Akademiya Nauk Armyanskoi SSR, Seriya Tekhnicheskaya Nauk* Tipografiya Izdatel'stva AN Armyanskoi SSR, Erevan, Berekamutyan 24, Armenia, USSR
- Izv. Akad. Nauk Az. SSR Ser. Fiz.-Tekh. & Mat. Nauk (USSR)**  
*Izvestiya Akademii Nauk Azerbaidzhanskoi SSR Seriya Fiziko-Tekhnicheskikh i Matematicheskikh Nauk* Izdatel'stvo ELM, Baku, USSR
- Izv. Akad. Nauk SSSR Energ. & Transp.**  
*Izvestiya Akademii Nauk SSSR Energetika i Transport* Moskva Zh-127, Ul. Osipenko, 52, USSR
- Izv. Akad. Nauk SSSR Fiz. Atmos. & Okeana**  
*Izvestiya Akademii Nauk SSSR, Fizika Atmosfery i Okeana* Akademiya Nauk SSSR, Leningkii Prospekt, 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)*]
- Izv. Akad. Nauk SSSR Fiz. Zemli**  
*Izvestiya Akademii Nauk SSSR, Fizika Zemli* Akademiya Nauk SSSR, Leningkii Prospekt, 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)*]
- Izv. Akad. Nauk SSSR Mekh. Tverd. Tela**  
*Izvestiya Akademii Nauk SSSR Mekhanika Tverdogo Tela* Moskva A-40, Leningradskii Prospekt, d.7, USSR
- Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza**  
*Izvestiya Akademii Nauk SSSR Mekhanika Zhidkosti i Gaza* Akademiya Nauk SSSR, Leningkii Prospekt, 14, Moskva, USSR [English translation in: *Fluid Dyn. (USA)*]
- Izv. Akad. Nauk SSSR Neorg. Mater.**  
*Izvestiya Akademii Nauk SSSR Neorganicheskie Materialy* 117071 Moskva, V-17, Leningkii Prospekt 31, USSR [English translation in: *Inorg. Mater. (USA)*]
- Izv. Akad. Nauk SSSR Ser. Fiz.**  
*Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya* Akademiya Nauk SSSR, Leningkii Prospekt, 14, Moskva, USSR [English translation in: *Bull. Acad. Sci. USSR, Phys. Ser. (USA)*]
- Izv. Akad. Nauk UzSSR Ser. Tekh. Nauk**  
*Izvestiya Akademii Nauk UzSSR. Seriya Tekhnicheskikh Nauk* Tashkent, USSR
- Izv. Fiz. Inst. ANEB (Bulgaria)**  
*Izvestiya na Fizicheskii Institut s ANEB* Sofiya, Bulgaria
- Izv. Gl. Astron. Obs. Pulkovo (USSR)**  
*Izvestiya Glavnoi Astronomicheskoi Observatorii v Pulkovo* Leningradskoe Otdelenie Izdatel'stva 'Nauka', B-164 Mendelevskaya Lin., d.1, Leningrad, USSR
- Izv. Inst. Elektron. (Bulgaria)**  
*Izvestiya na Instituta po Elektronika* Bulgarian Academy of Sciences, Sofiya, Bulgaria
- Izv. Inst. Tekh. Kibern. (Bulgaria)**  
*Izvestiya na Instituta po Tekhnicheskaya Kibernetika (Bulletin of the Institute of Engineering Cybernetics)* Bulgarian Academy of Sciences Department of Technical Sciences, Sofia, Bulgaria
- Izv. Krym. Astrofiz. Obs. (USSR)**  
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*Journal of Polymer Science, Part B Polymer Letters* Title changed to: *J. Polym. Sci. Polym. Lett. Ed. (USA)*
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*Journal of the Royal Signals Institution* Regimental Headquarters Royal Signals, Cheltenham Terrace, London, SW3 4RH, England
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*Journal of Radiation Research* Japan Radiation Research Society, c/o National Institute of Radiological Sciences, Anagawa 4-9, Chiba, Japan
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*Journal of the Radio Research Laboratories* Chief Planning Section, Radio Research Laboratories, Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan
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*Journal of Raman Spectroscopy* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
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*Journal de Recherches Atmospheriques* Observatoire du Puy de Dome, 12 avenue des Landais, 63001 Clermont Ferrand Cedex, France
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*Journal of Scientific Research of the Banaras Hindu University* PO-Banaras Hindu University, India
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*Journal of the Society of Motion Picture and Television Engineers* 862 Seardsdale Avenue, Seardsdale, New York, NY 10583, USA
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*Journal of Sound and Vibration* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England
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*Journal of Spacecraft and Rockets* American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, N.Y. 10019, USA
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*Journal of Speech and Hearing Research* American Speech and Hearing Association, 9030 Old Georgetown Road, Washington, D.C. 20014, USA
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*Journal of Statistical Computation and Simulation* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England
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*Journal of Statistical Physics* Plenum Publishing Corp., 227 West 17th Street, New York, N.Y. 10011, USA
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*Journal of Structural Chemistry* [Translation of: *Zh. Strukt. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
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*Journal of Testing and Evaluation* Formerly: *J. Mater. (USA)* American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa. 19103, USA
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*Journal of the Washington Academy of Sciences* 9650 Rockville Pike, Washington, D.C. 20014, USA
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*Journal Water Pollution Control Federation* Water Pollution Control Federation, 3900 Wisconsin Avenue, Washington, D.C. 20016, USA
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*Journal of X-Ray Technology* Society of X-Ray Technology, c/o 32 Welbeck Street, London, W1M 7PG, England
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*Jaderna Energie* SNTL-Nakladatelstvi Technicke Literatury, n.p., Praha 1, Spalena 51, Czechoslovakia
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*JAEU (Journal of Asia Electronics Union)* Title changed to: *AEU (Japan)*
- Jap. J. Appl. Phys. (Japan)**  
*Japanese Journal of Applied Physics* Publication Office, Japanese Journal of Applied Physics, 2nd Toyo Kaiji Building, 4-24-8, Shinbashi, Minato-ku, Tokyo 105, Japan
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*Japanese Journal of Geophysics* Science Council of Japan, 22-34 Roppongi, 7 Chome Minato-ku, Tokyo 106, Japan
- Jap. J. Med. Electron. & Biol. Eng. (Japan)**  
*Japanese Journal of Medical Electronics and Biological Engineering* Japanese Society of Medical Electronics and Biological Engineering, Kikaishinko Building, 21 Shiba-Park, Minato-ku, Tokyo 105, Japan
- Jap. J. Smooth Muscle Res. (Japan)**  
*Japanese Journal of Smooth Muscle Research* Japanese Society of Smooth Muscle Research, c/o Department of Surgery, Tohoku School of Medicine, Kitayobancho, Sendai, Japan
- Jap. Shipbuild. & Mar. Eng. (Japan)**  
*Japan Shipbuilding & Marine Engineering* Japan Association for Technical Information, 4-7-107 Yamazaki-cho, Machida City, Tokyo 194-01, Japan



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Japan Telecommunications Review Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan

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JEE (Japan Electronic Engineering) Dempa Publications, 11-5 Higashi-Gotanda, 1-chome, Shinagawa-ku, Tokyo, Japan

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Jemna Mechanika a Optika Publishers of Technical Literature, Spalena 51, 113 02 Praha 1, Czechoslovakia

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Jena Review VEB Verlag Technik, Oranienburger Strasse 13/14, Berlin C2, Germany

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JPL Quarterly Technical Review Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, Calif. 91103, USA

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Jurimetries Journal American Bar Association, 1155 East 60th Street, Chicago, Ill. 60637, USA

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Kibernetika Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: Cybernetics (USA)]

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Kniznice a Vedecké Informace Matica Slovenska, Martin, Mudronova 35, Czechoslovakia

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Kodaikanal Observatory Bulletin, Series A Government of India Press, 2 Coimbatore, Delhi 6, India

**Kodaikanal Obs. Bull. B (India)**

Kodaikanal Observatory Bulletin, Series B Government of India Press, 2 Coimbatore, Delhi 6, India

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Kozlekedes Tudomanyi Szemle Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary

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Kogaku to Gijutsu Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan

**Kolloidnyi ZH. (USSR)**

Kolloidnyi Zhurnal Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: Colloid J. USSR (USA)]

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**Kvantovaya Elektron., Moskva (USSR)**

Kvantovaya Elektronika Sovetskoe Radio, Moskva, Glavpochtamt, p/ya 693, USSR [English translation in: Sov. J. Quantum Electron. (USA)]

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**Laser Focus (USA)**

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Light and Lighting Illuminating Engineering Society, York House, Westminster Bridge Road, London, SE1 7UN, England

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Linear Algebra and its Applications American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA

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Logistics and Transportation Review Faculty of Commerce, University of British Columbia, Vancouver 8, Canada

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Low Temperature Science Series A, Physical Sciences Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan

**LSE Eng. Bull. (GB)**

*LSE Engineering Bulletin* Laurence. Scott and Electromotors, Works and Head Office, Norwich, NOR 85A, England

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*Lucas Engineering Review* Joseph Lucas, Great King Street, Birmingham 19, England

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*Lucrarile ICPE* Institut de Cercetare si Proiectare Pentru Industria Electrotehnica, Bd. T. Vladimirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Romania

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*Luft- und Kältetechnik* VEB Verlag Technik, 102 Berlin. Oranienburger Strasse 13/14, Germany

**Luftfahrttech. Raumfahrttech. (Germany)**

*Luftfahrttech. Raumfahrttechnik* 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany

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*M.A.N. Research Engineering Manufacturing* Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft, D 89 Augsburg, Germany

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*Machines and Tooling* [Translation of: *Stanki & Instrum. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England

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*Machinery Lloyd, International Review of Engineering Equipment* 20-23 Greville Street, London, EC1, England

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*Magazine of Concrete Research* Cement and Concrete Association, 52 Grosvenor Gardens, London, SW1, England

**Magn. Gidrodin. (USSR)**

*Magnitnaya Gidrodinamika* Akademiya Nauk Latvviiskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magneto-hydrodynamics (USA)*]

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*Magnetic Resonance Review* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England

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*Magnetohydrodynamics* [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

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**Mar. Technol. Soc. J. (USA)**

*Marine Technology Society Journal* 1730 M Street N.W., Washington, D.C. 20036, USA

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*Marconi Instrumentation* Marconi Instruments Ltd., St. Albans, Herts, England

**Marconi Rev. (GB)**

*Marconi Review* Marconi Co., Marconi House, Chelmsford, Essex, England

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*Marelli* Ercole Marelli, Via Borgonuovo 24, Milano, Italy

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*Maschinenbau Technik* VEB Verlag Technik, 102 Berlin. Oranienburger Strasse 13/14, Germany

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*Maschinenmarkt* Vogel-Verlag KG, 87 Wurzburg, Germany

**Maschinenschaden (Germany)**

*Der Maschinenschaden* Königinstrasse 28, 8 München 22, Germany

**Mass Spectrosc. (Japan)**

*Mass Spectroscopy* Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan

**Mat. Cas. (Czechoslovakia)**

*Matematicky Casopis* Slovak Academy of Sciences, Matematicky Ustav SAV, Bratislava Obrancov mieru 41, Czechoslovakia

**Mat. Fiz. (USSR)**

*Matematicheskaya Fizika* Izdatel'stvo 'Naukova Dumka'. Kiev, Repina 3, USSR

**Mater. Eval. (USA)**

*Materials Evaluation* Society for Nondestructive Testing, 914 Chicago Avenue, Evanston, Ill. 60202, USA

**Mater. Handl. Eng. (USA)**

*Material Handling Engineering* 614 Superior Avenue West, Cleveland, Ohio 44113, USA

**Mater. Handl. News (GB)**

*Materials Handling News* IPC Business Press, Dorset House, Stamford Street, London, SE1, England

**Mater. Manage. & Distrib. (Canada)**

*Materials Management and Distribution* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada

**Mater. Res. & Stand. (USA)**

*Materials Research and Standards* Title changed to: *ASTM Stand. News (USA)*

**Mater. Res. AECL (Canada)**

*Materials Research in AECL* Atomic Energy of Canada Ltd., Chalk River, Ontario, Canada

**Mater. Res. Bull. (USA)**

*Materials Research Bulletin* Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA

**Mater. Sci. Eng. (Switzerland)**

*Materials Science Engineering* Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland

**Mater. Semin. Kibernet. (USSR)**

*Materialy Seminara po Kibernetike* Izdatel'stvo 'Shtiintsa', Kishinev, USSR

**Mater. Test. (Germany)**

*Materials Testing* VDI-Verlag GmbH, Postfach 1 139, 4 Dusseldorf 1, Germany

**Math. Algorithms (USA)**

*Mathematical Algorithms* M.I.T. Press, 50 Ames Street, Cambridge, Mass. 02139, USA

**Math. Balk. (Yugoslavia)**

*Mathematica Balkanica* Beograd, pp 550, Studentski trg 16, Yugoslavia

**Math. Biosci. (USA)**

*Mathematical Biosciences* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA

**Math. Comput. (USA)**

*Mathematics of Computation* Published for the National Academy of Sciences—National Research Council by the American Mathematical Society, 190 Hope Street, Providence 6, R.I., USA

**Math. Operationsforsch. & Stat. (Germany)**

*Mathematische Operationsforschung und Statistik* Akademie-Verlag, 108 Berlin, Leipziger Strasse 3-4, Germany

**Math. Spectrum (GB)**

*Mathematical Spectrum* Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England

**Math. Syst. Theory (USA)**

*Mathematical Systems Theory* Springer Verlag New York, 175 Fifth Avenue, New York, N.Y. 10010, USA

**Matrix & Tensor Q. (GB)**

*Matrix and Tensor Quarterly* Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London, SW7, England

**Meas. & Control (GB)**

*Measurement and Control* Institute of Measurement and Control, 20 Peel Street, London, W8, England

**Meas. Tech. (USA)**

*Measurement Techniques* [Translation of: *Izmer. Tekh. (USSR)*] Instrument Society of America, 400 Stanwix Street, Pittsburgh, Pa. 15222, USA

**Meccanica (Italy)**

*Meccanica* Tamburini Editore, s.p.a., Via G. Pascoli, 55-Milano, Italy

**Mech. & Mach. Theory (GB)**

*Mechanism and Machine Theory* Formerly: *J. Mech. (GB)* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Mech. Autom. Adm. (Czechoslovakia)**

*Mechanizace Automatizace Administrativy* SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia

**Mech. Eng. (USA)**

*Mechanical Engineering* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

**Mech. Teor. & Stosow. (Poland)**

*Mechanika Teoretyczna i Stosowana* Polska Akademia Nauk, Zaklad Mechaniki Gorotworu, Biblioteka, Krakow, ul. Reymonta 27, Poland

**Med. & Biol. Eng. (GB)**

*Medical and Biological Engineering* Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England

**Med. Instrum. (USA)**

*Medical Instrumentation* Formerly: *J. Assoc. Adv. Med. Instrum. (USA)* Association for the Advancement of Medical Instrumentation, Suite 417, 1500 Wilson Boulevard, Arlington, VA 22209, USA

**Med. Res. Eng. (USA)**

*Medical Research Engineering* Medical-Research-Technology, Woods Road, Great Notch, Little Falls, N.J. 07424, USA

**Med. Tekh. (USSR)**

*Meditsinskaya Tekhnika* Editorial address: All-Union Scientific-Research Institute of Medical Instruments, Moscow, USSR [English translation in: *Biomed. Eng. (USA)*]

**Meded. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium)**

*Mededelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van België* Palais der Academies, Hertogstraat 1, Bruxelles, Belgium

**Medicamundi (Netherlands)**

*Medicamundi* Philips Gloeilampenfabrieken, Eindhoven, Netherlands

**Meidensha Rev. (Int. Ed.) (Japan)**

*Meidensha Review (International Edition)* Meidensha Electric Mfg. Co., New Ohtemachi Building, 2-1, 2-chome, Ohte-machi, Chiyoda-ku, Tokyo, Japan

**Mekh. & Avtom. Proiz. (USSR)**

*Mekhanizatsiya i Avtomatizatsiya Proizvodstva* Kiselnyi Per., 5, Moskva, B. USSR

**Mekh. & Avtom. Upr. (USSR)**

*Mekhanizatsiya i Avtomatizatsiya Upravleniya* Kreshdratsk 28., USSR

**Mekh. Polim. (USSR)**

*Mekhanika Polimerov* Latvian Academy of Sciences, Riga, USSR [English translation in: *Polym. Mech. (USA)*]



- Mekh. Tverd. Tela (USSR)**  
*Mekhanika Tverdogo Tela* Izdatel'stvo 'Naukova Dumka'. Kiev, Repina 3, USSR
- Mem. Chubu Inst. Technol. (Japan)**  
*Memoirs Chubu Institute of Technology* Nagoya, Japan
- Mem. Def. Acad. (Japan)**  
*Memoirs of the Defense Academy* The Defense Academy, Hasiminimizu 1-10-20, Yokusuka 239, Japan
- Mem. Fac. Eng. Hiroshima Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Hiroshima University* 3-chome Sendamachi, Hiroshima City, Japan
- Mem. Fac. Eng. Hokkaido Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Hokkaido University*, North 12, West 8, Sapporo, Japan
- Mem. Fac. Eng. Kobe Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Kobe University* Rokkodai-cho, Nada-ku, Kobe, Japan
- Mem. Fac. Eng. Kumamoto Univ. (Japan)**  
*Memoirs of the Faculty of Engineering Kumamoto University* University of Kumamoto, Faculty of Engineering, Kumamoto, Japan
- Mem. Fac. Eng. Kyoto Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Kyoto University* Kyoto, Japan
- Mem. Fac. Eng. Kyushu Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Kyushu University* Fukuoka, Kyushu, Japan
- Mem. Fac. Eng. Nagoya Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Nagoya University* Furo-cho, Chikusa-ku, Nagoya, Japan
- Mem. Fac. Eng. Osaka City Univ. (Japan)**  
*Memoirs of the Faculty of Engineering, Osaka City University* 459 Sugimoto-cho, Sumiyoshi-ku, Osaka, Japan
- Mem. Fac. Ind. Arts Kyoto Tech. Univ. Sci. & Technol. (Japan)**  
*Memoirs of the Faculty of Industrial Arts, Kyoto Technical University, Science and Technology* Matsugasaki, Sakyo-ku, Kyoto, Japan
- Mem. Fac. Sci. Kyoto Univ. Ser. Phys. Astrophys. Geophys. Chem. (Japan)**  
*Memoirs of the Faculty of Science Kyoto University, Series of Physics, Astrophysics, Geophysics and Chemistry* Kitashirakawa, Sakyo-ku, Kyoto, Japan
- Mem. Fac. Sci. Kyushu Univ. B. (Japan)**  
*Memoirs of the Faculty of Science, Kyushu University, Series B* Fukuoka, Kyushu, Japan
- Mem. Fac. Sci. Kyushu Univ. C (Japan)**  
*Memoirs of the Faculty of Science, Kyushu University, Series C* Fukuoka, Kyushu, Japan
- Mem. Fac. Technol. Kanazawa Univ. (Japan)**  
*Memoirs of the Faculty of Technology, Kanazawa University* Kanazawa, Japan
- Mem. Fac. Technol. Tokyo Metrop. Univ. (Japan)**  
*Memoirs of Faculty of Technology, Tokyo Metropolitan University* Fukazawa 2-1-1, Setagaya, Tokyo, Japan
- Mem. Kyushu Inst. Technol. Eng. (Japan)**  
*Memoirs of the Kyushu Institute of Technology, Engineering* Tobata, Kitakyushu, Japan
- Mem. R. Astron. Soc. (GB)**  
*Memoirs of the Royal Astronomical Society* Burlington House, London, W1, England
- Mem. Res. Inst. Sci. & Eng. Ritumeikan Univ. (Japan)**  
*Memoirs of the Research Institute of Science & Engineering, Ritumeikan University* Kyoto, Japan
- Mem. Sci. Rev. Metall. (France)**  
*Memoires Scientifiques de la Revue de Metallurgie* 47 rue Boissiere, Paris 16, France
- Mem. Soc. Astron. Ital. (Italy)**  
*Memoria della Societa Astronomica Italiana* Via Brera 28, Milano, Italy
- Mem. Soc. R. Sci. Liege 4° (Belgium)**  
*Memoires de la Societe Royal des Sciences de Liege. Collection in-4* L'Universite, 7 Place du 20 Aout, Liege, Belgium
- Mem. Soc. R. Sci. Liege 8° (Belgium)**  
*Memoires de la Societe Royal des Sciences de Liege. Collection in-8* L'Universite, 7 Place du 20 Aout, Liege, Belgium
- Mereni a Regulace (Czechoslovakia)**  
*Merent a Regulace* Research Institute for Automation Systems Pluku 12a, Praha 8-Kab, Czechoslovakia
- Meres & Autom. (Hungary)**  
*Meres es Automatika* Budapest 5, Szabadsag Ter 17, Hungary
- Mes. Regul. Autom. (France)**  
*Mesures, Regulation, Automatisme* 40 rue de Colisee, 75-Paris-8, France
- Mess. & Pruef. (Germany)**  
*Messen + Pruefen* Verlag Erwin Geyer, 8939 Bad Worishofen, Gewerbestrasse 1, Postfach 150, Germany
- Mess. Steuern Regeln (Germany)**  
*Messen Steuern Regeln* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Messtechnik (Germany)**  
*Messtechnik* Verlag Friedr. Vieweg und Sohn GmbH, 33 Braunschweig, Burgplatz 1, Postfach 185, Germany
- Met. & Mater. (GB)**  
*Metals and Materials* Institute of Metals, 17 Belgrave Square, London, SW1X 8PU, England
- Met. Sci. & Heat Treat. (USA)**  
*Metal Science and Heat Treatment* [Translation of: *Metalloved. & Term. Obrab. Met. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Met. Sci. J. (GB)**  
*Metal Science Journal* Institute of Metals, 17 Belgrave Square, London, SW1, England
- Metal. & Electr. (Spain)**  
*Metalurgia y Electricidad* Apartado 756, Madrid, Spain
- Metall (Germany)**  
*Metall* Metall-Verlag GmbH, 1 Berlin 33, Hubertusallee 18, Germany
- Metall. Trans. (USA)**  
*Metallurgical Transactions* Metallurgical Society of American Institute of Mining, Metallurgical and Petroleum Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Metallofizika, Kiev (USSR)**  
*Metallofizika* Izdatel'stvo 'Naukova Dumka'. Kiev, Ul. Repina 3, USSR
- Metallography (USA)**  
*Metallography* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA
- Metalloved. & Term. Obrab. Met. (USSR)**  
*Metallovedenie i Termicheskaya Obrabotka Metallov* Moskva, GSP 110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]
- Metalwork. Prod. (GB)**  
*Metalworking Production* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Meteoritics (USA)**  
*Meteoritics* Published jointly by The Meteoritical Society and Arizona State University Bureau of Publications, USA. Editorial address: Center for Meteorite Studies, Arizona State University, Tempe, Ariz. 85281
- Meteorol. & Gidrol. (USSR)**  
*Meteorologiya i Gidrologiya* Editorial address: Moskva, D-376. Bol'shevistskaya ul., d.13, Komm. 114, USSR
- Meteorol. Ann. (Norway)**  
*Meteorologiske Annaler* Norske Meteorologiske Institutt (i samarbeid med Universitetets Institutt for Teoretisk Meteorologi), Norway
- Meteorol. Mag. (GB)**  
*Meteorological Magazine* Meteorological Office, (Met 018 B), Market Street, Bracknell, Berks, England
- Meteorol. Rundsch. (Germany)**  
*Meteorologische Rundschau* Springer-Verlag, D-1000 Berlin 33, Heidelberg Platz 3, Germany
- Methods Inf. Med. (Germany)**  
*Methods of Information in Medicine* F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany
- Metra (France)**  
*Metra* SEMA (Metra International), 13-15 rue des Sablons, Paris 12, France
- Metrika (Austria)**  
*Metrika* Physica-Verlag Rudolf Liebing KG, A-1010 Wien, Landesgerichtstrasse 20, Austria
- Metrol. & Insp. (GB)**  
*Metrology and Inspection* IPC Industrial Press Ltd., 33-40 Bowling Green Lane, London, EC1R 0NE, England
- Metrologia (Germany)**  
*Metrologia* Springer-Verlag, Heigelberger Platz 3, 1 Berlin 33, Germany
- Metron (GB)**  
*Metron* Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
- Microdoc (GB)**  
*Microdoc* Microfilm Association of Great Britain, 109 Kingsway, London, WC2, England
- Microelectron. & Reliab. (GB)**  
*Microelectronics and Reliability* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Microelectronics (GB)**  
*Microelectronics* Mercury House Business Publications Ltd., Broadwall, London, SE1 9PN, England
- Microform Rev. (USA)**  
*Microform Review* Rogues Ridge, Weston, Conn. 06880, USA
- Micon (GB)**  
*Micon* Structural Publications Ltd., 4 Shakespeare Road, Finchley, London, N3 1XH, England
- Microsc. Acta (Germany)**  
*Microscopica Acta* S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany
- Microscope (GB)**  
*Microscope* Microscope Publications, 2 McCrone News, Belsize Park, London, NW3, England
- Microtecnic (Switzerland)**  
*Microtecnic* Scriptor Ltd., 1001 Lausanne, 23 Avenue de la Gare, Switzerland
- Microwave J. (USA)**  
*Microwave Journal* 610 Washington Street, Dedham Plaza, Dedham, Mass. 02026, USA
- Microwaves (USA)**  
*Microwaves* Hayden Microwaves Corp., 850 Third Avenue, New York, N.Y. 10022, USA
- Min. Technol. (GB)**  
*Mining Technology* Association of Mining Electrical and Mechanical Engineers, 62 Talbot Road, Manchester, M16 0PS, England
- Minoseg & Megbizhatosag (Hungary)**  
*Minoseg es Megbizhatosag* Budapest V, Jozsef Attila u. 24, Hungary. Subscription address: Kultura, Budapest 1, Fo u. 32
- Mitsubishi Denki Eng. (Japan)**  
*Mitsubishi Denki Engineering* Title changed to: *Mitsubishi Electr. Eng. (Japan)*
- Mitsubishi Denki Lab. Rep. (Japan)**  
*Mitsubishi Denki Laboratory Reports* Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan
- Mitsubishi Electr. Eng. (Japan)**  
*Mitsubishi Electric Engineer* Formerly: *Mitsubishi Denki Eng. (Japan)* Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan
- Mitsui Tech. Rev. (Japan)**  
*Mitsui Technical Review* Mitsui Shipbuilding & Engineering Co. Ltd., 6-4 Tsukiji 5-Chome, Chuo-Ku, Tokyo, Japan
- Mitt. AGEN (Switzerland)**  
*Mitteilungen der Arbeitsgemeinschaft fur Elektrische Nachrichtentechnik der Stiftung Hasler-Werke, Bern* Geschäftsstelle der AGEN Institut fur Technische Physik, ETH-Aussenstation, Honggerberg Postfach 8049 Zurich, Switzerland
- Mitt. Max-Planck-Ges. (Germany)**  
*Mitteilungen aus der Max-Planck-Gesellschaft* Munchen 1, Residenzstrasse 1a, Eingang Hofgartenstrasse, Postfach 647, Germany
- Mod. Data (USA)**  
*Modern Data* Modern Data Services Inc., 3 Lockland Avenue, Framingham, Mass. 01701, USA
- Mod. Geol. (GB)**  
*Modern Geology* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Mod. Mater. Handl. (USA)**  
*Modern Materials Handling* Cahners Publishing Co., 221 Columbus Avenue, Boston, Mass. 02116, USA
- Mod. Power & Eng. (Canada)**  
*Modern Power and Engineering* Maclean-Hunter Ltd., 481 University Avenue, Toronto M5W 1A7, Canada
- Mod. Railw. (GB)**  
*Modern Railways* Ian Allan, Terminal House, Shepperton, Middx., TW17 8AS, England

**Mol. Cryst. & Liq. Cryst. (GB)**

*Molecular Crystals and Liquid Crystals* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Mol. Phys. (GB)**

*Molecular Physics* Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

**Mon. Not. Astron. Soc. S. Afr. (S. Africa)**

*Monthly Notes of the Astronomical Society of Southern Africa* South African Astronomical Observatory, P.O. Box 9, Observatory, Cape, South Africa

**Mon. Not. R. Astron. Soc. (GB)**

*Monthly Notices of the Royal Astronomical Society* Burlington House, London, W1, England

**Mon. Tech. Rev. (Germany)**

*Monthly Technical Review* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany

**Monatsber. Dtsch. Akad. Wiss. Berl. (Germany)**

*Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin* Publishers: Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin W8, Germany

**Monogr. Res. Inst. Appl. Electr. (Japan)**

*Monograph of the Research Institute of Applied Electricity* Hokkaido University, Sapporo, Japan

**Moon (Netherlands)**

*The Moon* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

**Morsk. Gidrofiz. Issled. (USSR)**

*Morskije Gidrofizicheskie Issledovaniya* Akademiya Nauk UkSSR, Morskoi Gidrofizicheskie Institut, Sevastopol, USSR

**Moscow Univ. Phys. Bull. (USA)**

*Moscow University Physics Bulletin* [Translation of: *Vestn. Mosk. Univ. Fiz. Astron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, N.Y. 10011, USA

**Motor Ship (GB)**

*Motor Ship Engineering, Chemical & Marine Press* 33/39 Bowling Green Lane, London, EC1P 1AH, England

**Mullard Outlook (GB)**

*Mullard Outlook* Central Technical Services, Mullard Ltd., New Road, Mitcham, Surrey CR4 4XY, England

**Mullard Tech. Commun. (GB)**

*Mullard Technical Communications* Central Technical Services, Mullard Ltd., New Road, Mitcham, Surrey, CR4 4XY, England

**Munic. Eng. (GB)**

*Municipal Engineering* 3 Clements Inn, London, WC2, England

**N. Z. J. Sci. (New Zealand)**

*New Zealand Journal of Science* Department of Scientific and Industrial Research, Private Bag, Wellington, New Zealand

**N.Z. Electr. J. (New Zealand)**

*New Zealand Electrical Journal* Technical Publications, 127 Molesworth Street, GPO Box 3047, Wellington, New Zealand

**N.Z. Eng. (New Zealand)**

*New Zealand Engineering (Journal of the New Zealand Institution of Engineers)* Technical Publications, 127 Molesworth Street, GPO Box 3047, Wellington, New Zealand

**Nachr. Akad. Wiss. Göttingen 2 (Germany)**

*Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-physikalische Klasse* Prinzenstrasse 1, Göttingen, Germany

**Nachr. Dok. (Germany)**

*Nachrichten für Dokumentation* Deutsche Gesellschaft für Dokumentation, 6000 Frankfurt am Main, Westendstrasse 19, Germany

**Nachr. Telefonbau & Normalzeit (Germany)**

*Nachrichten der Telefonbau und Normalzeit* Postfach 2369, 6 Frankfurt am Main 1, Germany

**Nachrichtentech. Elektron. (Germany)**

*Nachrichtentechnik Elektronik* Formerly: *Nachrichtentechnik (Germany)* VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany

**Nachrichtentech. Fachber. (NTF) (Germany)**

*Nachrichtentechnische Fachberichte (NTF)* Issued with: *Nachrichtentech. Z. (NTZ)* (Germany), Germany

**Nachrichtentech. Z. (NTZ) (Germany)**

*Nachrichtentechnische Zeitschrift* VDE-Verlag GmbH, Bismarckstrasse 33, 1000 Berlin 12, Germany

**Nachrichtentechnik (Germany)**

*Nachrichtentechnik* Title changed to: *Nachrichtentech. Elektron. (Germany)*

**Natl. Bur. Stand. Tech. News Bull. (USA)**

*National Bureau of Standards Technical News Bulletin* US Department of Commerce, Washington, D.C. 20234, USA

**Natl. Electron. Rev. (GB)**

*National Electronics Review* National Electronics Council, Abell House, John Islip Street, London, SW1, England

**Natl. Tech. Rep. (Japan)**

*National Technical Report* Matsushita Electric Ind. Co., 1006 Kadoma, Osaka, Japan

**Nature (GB)**

*Nature* MacMillan (Journals) Ltd., 4 Little Essex Street, London, WC2R 3LF, England

**Nature (Phys. Sci.) (GB)**

*Nature (Physical Science)* MacMillan (Journals) Ltd., Brunel Road, Basingstoke, Hants, England

**Naturwissenschaften (Germany)**

*Die Naturwissenschaften* Springer-Verlag, Heidelberger Platz 3, 1 Berlin 31, Germany

**Nauchno-Tekh. Inf. 1 (USSR)**

*Nauchno-Tekhnicheskaya Informatsiya, Seriya 1* Baltiskaya ul., d. 14, Moskva, A-219, USSR

**Nauchno-Tekh. Inf. 2 (USSR)**

*Nauchno-Tekhnicheskaya Informatsiya, Seriya 2* Baltiskaya ul., d. 14, Moskva, A-219, USSR

**Nauk. & Inf. (USSR)**

*Naukovedenie i Informatika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

**Nav. Archit. (GB)**

*Naval Architect* Royal Institution of Naval Architects, 10 Upper Belgrave Square, London, SW1X 8BQ, England

**Nav. Res. Logist. Q. (USA)**

*Naval Research Logistics Quarterly* Office of Naval Research, Arlington, Va. 22217, USA. Subscription address: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

**Nav. Res. Rev. (USA)**

*Naval Research Reviews* Department of the Navy, Office of Naval Research, Arlington, Va. 22217, USA

**Navigation (France)**

*Navigation* Institut Francaise de Navigation, 3 avenue Octave-Greard, Paris 7, France

**NCC Interface (GB)**

*NCC Interface* National Computing Centre Ltd., Quay House, Quay Street, Manchester, M3 3HU, England

**NEC Res. & Dev. (Japan)**

*NEC Research and Development* Nippon Electric Co., 7-15 Shiba Gochome, Minato-ku, Tokyo, Japan

**Ned. Tijdschr. Natuurk. (Netherlands)**

*Nederlands Tijdschrift voor Natuurkunde* Publisher: Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands

**Networks (USA)**

*Networks* Interscience Publishers, 605 Third Avenue, New York, N.Y. 10016, USA

**Neue Huette (Germany)**

*Neue Huette* VEB Deutscher Verlag für Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

**Neue Tech. (Switzerland)**

*Neue Technik* Verlag Neue Technik AG, Tiefenhofe 11, Paradeplatz, 8001 Zurich, Switzerland

**Neue Tech. Buero (Germany)**

*Neue Technik im Büro (Journal of Data Processing and Office Machines)* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13-14, Germany

**New Electron. (GB)**

*New Electronics* Juniper Journals Ltd., 49/50 Hatton Garden, London, EC1N 8XS, England

**New J. Stat. & Oper. Res. (GB)**

*New Journal of Statistics and Operational Research* C. Mack, The University, Bradford, England

**New Phys. (Korean Phys. Soc.)**

*New Physics (Korean Physical Society)* Seoul, Korea

**New Sci. (GB)**

*New Scientist* New Science Publications, 128 Long Acre, London, WC2E 9OH, England

**News Rohde & Schwarz (Germany)**

*News from Rohde and Schwarz* Rohde and Schwarz, Muhlendorfsstrasse 15, Postfach 801469, 8000 München 80, Germany

**NHK Lab. Note (Japan)**

*NHK Laboratories Note* Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

**NHK Tech. J. (Japan)**

*NHK Technical Journal* Formerly: *Tech. J. Jap. Broadcast. Corp. (Japan)* NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

**NHK Tech. Monogr. (Japan)**

*NHK Technical Monograph* Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan

**Nikex-Tech. (Hungary)**

*Nikex-Technika* Hungexpo-Presto, Budapest, Hungary

**NLL Rev. (GB)**

*NLL Review* Title changed to: *BLL Rev. (GB)*

**Noise Control & Vib. Reduct. (GB)**

*Noise Control and Vibration Reduction* Trade & Technical Press Ltd., Crown House, Morden, Surrey, England

**Non-Destr. Test. (GB)**

*Non-Destructive Testing* Iliffe Science and Technology Publications, 32 High Street, Guildford, Surrey, England

**Non-Ioniz. Radiat. (GB)**

*Non-Ionizing Radiation* Kendervic Ltd., P.O. Box 18, Guildford, Surrey, England

**Nord. Tidskr. Medicotek. (Denmark)**

*Nordisk Tidskrift for Medicoteknik* Issued with: *Elektronik (Denmark)*

**Norelco Rep. (USA)**

*Norelco Reporter* Philips Electronic Instruments, 750 South Fulton Avenue, Mount Vernon, N.Y. 10550, USA

**Not. Ist. Autom. Univ. Roma (Italy)**

*Notiziario dell'Istituto di Automatica dell'Universita di Roma* Universita Degli Studi, Citta Universitaria, Rome, Italy

**Note Recens. & Not. (Italy)**

*Note Recensioni e Notizie* Istituto Superiore Poste Telecomunicazioni, Viale Trastevere 189, Roma, Italy

**Notre Dame J. Formal Logic (USA)**

*Notre Dame Journal of Formal Logic* University of Notre Dame, Notre Dame, Ind. 46556, USA

**Nouv. Rev. Opt. (France)**

*Nouvelle Revue d'Optique* Formerly: *Nouv. Rev. Opt. Appl. (France)* Masson, 120 Boulevard Saint-Germain, F-75280 Paris Cedex 06, France

**Nouv. Rev. Opt. Appl. (France)**

*Nouvelle Revue d'Optique Appliquee* Title changed to: *Nouv. Rev. Opt. (France)*

**NRCD Bull. (GB)**

*NRCD Bulletin* National Reprographic Centre for Documentation, Hatfield Polytechnic, Hatfield, Herts, England

**Nucl. Data A (USA)**

*Nuclear Data Section A* Title changed to: *Nucl. Data Tables (USA)*

**Nucl. Data Tables (USA)**

*Nuclear Data Tables* Formerly: *Nucl. Data A (USA)* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**Nucl. Eng. & Des. (Netherlands)**

*Nuclear Engineering and Design* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Nucl. Eng. Int. (GB)**

*Nuclear Engineering International* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

**Nucl. Fusion (Austria)**

*Nuclear Fusion (Fusion Nucleaire - Yaderniy Sintex - Fusion Nuclear)* Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Karnthenering 11, A1010 Wien, Austria

**Nucl. Instrum. & Methods (Netherlands)**

*Nuclear Instruments and Methods* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands



- Nucl. News (USA)**  
*Nuclear News* American Nuclear Society, 244 Ogden Avenue, Hinsdale, Ill. 60521, USA
- Nucl. Phys. A (Netherlands)**  
*Nuclear Physics, Volume A* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Nucl. Phys. B (Netherlands)**  
*Nuclear Physics, Volume B* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Nucl. Sci. & Eng. (USA)**  
*Nuclear Science and Engineering. Journal of the American Nuclear Society* 244 East Ogden Avenue, Hinsdale, Ill. 60521, USA
- Nucl. Technol. (USA)**  
*Nuclear Technology* American Nuclear Society, 244 East Ogden Avenue, Hinsdale, Ill. 60521, USA
- Nucleus (France)**  
*Nucleus* 1 rue Chaligny, Paris 16, France
- Nucleus (Pakistan)**  
*Nucleus* Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan
- Nukl. Energ. (Yugoslavia)**  
*Nuklearna Energija* 11000 Beograd, Kosancicev venac 29, Yugoslavia
- Nukleonika (Poland)**  
*Nukleonika* Academia Nauk Agent:CKPW 'Ruch', Warszawa, Poland
- Numer. Math. (Germany)**  
*Numerische Mathematik* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
- Nuovo Cimento A (Italy)**  
*Il Nuovo Cimento, A* Societa Italiana di Fisica Publication address: Via degli Andalò, 2-Bologna 722, Italy
- Nuovo Cimento B (Italy)**  
*Il Nuovo Cimento, B* Societa Italiana di Fisica Publication address: Via degli Andalò, 2-Bologna 722, Italy
- O & M Bull. (GB)**  
*O & M Bulletin* Civil Service Department, Management Services, Whitehall, London, SW1, England
- Observatory (GB)**  
*Observatory* Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England
- Ocean Eng. (GB)**  
*Ocean Engineering* Pergamon Press, Headington Hill Hall, Oxford, OX3 OBW, England
- Oceanology (USA)**  
*Oceanology* [Translation of: *Okeanologiya* (USSR)] American Geophysical Union, Suite 435, 2100 Pennsylvania Avenue N.W., Washington, D.C. 20037, USA
- Olhydraul. & Pneum. (Germany)**  
*Olhydraulik und Pneumatik* Krauskopf-Verlag für Wirtschaft GmbH, Lessingstrasse 12-14, 65 Mainz, Germany
- OEM Des. (GB)**  
*OEM Design* Mercury House Business Publications, Broadwall, London, SE1, England
- Oesterr. Ing.-Z. (Austria)**  
*Osterreichische Ingenieur-Zeitschrift* Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria
- Oesterr. Z. Elektrizitätswirt. (OEZE) (Austria)**  
*Osterreichische Zeitschrift für Elektrizitätswirtschaft* Springer-Verlag, a1011 Wien, Molkerbastei 5, Postfach 367, Austria
- Offshore Serv. (GB)**  
*Offshore Services* Formerly: *Hydrospace* (GB) Spearhead Publications Ltd., 2 Fife Road, Kingston-upon-Thames, Surrey, England
- Ogneupory (USSR)**  
*Ogneupory* Moskva G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories* (USA)]
- Okeanologiya (USSR)**  
*Okeanologiya* 2 ya Titografiya Iadatel'stva 'Nauka', Moskva, Shchybinskii lep. 10, USSR [English translation in: *Oceanology* (USA)]
- Oki Rev. (Japan)**  
*Oki Review* Oki Electric Industry Co. Ltd., 10 Shiba-Kotohira-cho, Minato-ku, Tokyo, Japan
- Oleodin.-Pneum. (Italy)**  
*Oleodinamica-Pneumatica* Via Moscova 46/5 20121 Milano, Italy
- Omega (GB)**  
*Omega* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 OBW, England
- Omron Tech. (Japan)**  
*Omron Technics* Omron Tateisi Electronics Co., Tokyo, Japan
- Onde Electr. (France)**  
*L'Onde Electrique* Societe des Electriciens des Electroniciens et des Radioelectriciens, Publisher: Editions Chiron, 40 Rue de Seine, 75 Paris 6 92 - Malakoff, France
- Online (Germany)**  
*Online* Formerly: *Z. Datenverarb. (Germany)* Verlagsgesellschaft Rudolf Muller, 5 Köln 41, Stolberger Strasse 84, Germany
- Ont. Libr. Rev. (Canada)**  
*Ontario Library Review* Provincial Library Service, 14th Floor, Mowat Block, Queen's Park, Toronto 182, Canada
- Open (Netherlands)**  
*Open* N.V. Uitgeversmaatschappij AE. E. Kluwer, Postbus 23, Deventer, Netherlands
- Oper. Res. (USA)**  
*Operations Research* Operations Research Society of America, 428 East Preston Street, Baltimore, Md. 21202, USA
- Oper. Res. Q. (GB)**  
*Operational Research Quarterly* Pergamon Press, Headington Hill Hall, Oxford, OX3 OBW, England
- Opt. & Laser Technol. (GB)**  
*Optics and Laser Technology* IPC Science and Technology Press, IPC House, 32 High Street, Guildford, Surrey, England
- Opt. & Spectrosc. (USA)**  
*Optics and Spectroscopy* [Translation of: *Opt. & Spektrosk. (USSR)*] Optical Society of America, 335 East 45th Street, New York, N.Y. 10017, USA
- Opt. & Spektrosk. (USSR)**  
*Optika i Spektroskopiya* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]
- Opt. Acta (GB)**  
*Optica Acta* Taylor and Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England
- Opt. Commun. (Netherlands)**  
*Optics Communications* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Opt. Eng. (USA)**  
*Optical Engineering* Society of Photo-Optical Instrumentation Engineers, 119 Palos Verdes Boulevard, P.O. Box 288, Redondo Beach, Calif. 90277, USA
- Opt. Pura & Apl. (Spain)**  
*Optica Pura y Aplicada* Serrano 121, Madrid 6, Spain
- Opt. Spectra (USA)**  
*Optical Spectra* Optical Publishing Co., 7 North Street, Pittsfield, Mass. 01201, USA
- Opt.-Mekh. Prom.-st. (USSR)**  
*Optiko-Mekhanicheskaya Promyshlennost* Vasilov Optical Research Institute, Kaluzhskoye Chausee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]
- Optician (GB)**  
*Optician* 1 Dorset Buildings, Salisbury Square, London, EC4, England
- Optik (Germany)**  
*Optik* Wissenschaftliche Verlagsgesellschaft, Postfach 40, Stuttgart N, Germany
- Opto-Electron. (GB)**  
*Opto-Electronics* Chapman and Hall, 11 New Fetter Lane, London, EC4, England
- Orbit (Switzerland)**  
*Orbit* Orbit Publishing S.A., 91 route de la Capite, CH-1223 Cologny/Geneva, Switzerland
- Oss. & Mem. Oss. Astrofis. Arcetri (Italy)**  
*Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri* Università Degli Studi di Firenze, Firenze, Italy
- Othor & Peredacha Inf. (USSR)**  
*Othor i Peredacha Informatsii* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Oyo Buturi (Japan)**  
*Oyo Buturi* Japan Society of Applied Physics, Room No.209-2, Kikais-Shinko Building, 21 Shiba-Koen Minato-ku, Tokyo, Japan
- Pak. Eng. (Pakistan)**  
*Pakistan Engineer* Council of the Institute of Engineers (Pakistan), Ramma, Dacca-2, Pakistan
- Pak. J. Sci. & Ind. Res. (Pakistan)**  
*Pakistan Journal of Scientific and Industrial Research* Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan
- Pak. J. Sci. (Pakistan)**  
*Pakistan Journal of Science* Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan
- Pak. J. Sci. Res. (Pakistan)**  
*Pakistan Journal of Scientific Research* Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan
- Pap. Inst. Post Off. Electr. Eng. (GB)**  
*Institution of Post Office Electrical Engineers, Printed Papers* GPO, 2-12 Gresham Street, London, EC2, England
- Part. Accel. (GB)**  
*Particle Accelerators* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Pattern Recognition (GB)**  
*Pattern Recognition* Pergamon Press, Headington Hill Hall, Oxford, OX3 OBW, England
- Period. Math.-Phys. & Astron. (Yugoslavia)**  
*Periodicum Mathematico-Physicum et Astronomicum (Glasnik Matematiko-Fizicki i Astronomski)* Društvo Matematicura i Fizicara (Societas Mathematicorum et Physicorum croaticae), Ilica 16, Zagreb, Yugoslavia
- Period. Polytech. Elec. Eng. (Hungary)**  
*Periodica Polytechnica (Electrical Engineering-Elekrotechnika)* P.O. Box 440, Budapest 62, Hungary
- Perkin-Elmer NMR Q. (GB)**  
*Perkin-Elmer NMR Quarterly* Perkin-Elmer Ltd., Beaconsfield, Bucks, England
- Pet. & Gaze (Romania)**  
*Petrol si Gaze* Bd. Balcescu 16, Bucuresti, Rumania
- Philips Electron. Meas. & Microwave Notes (Netherlands)**  
*Philips Electronic Measuring and Microwave Notes* Title changed to: *Philips Test & Meas. Notes* (Netherlands)
- Philips Res. Rep. (Netherlands)**  
*Philips Research Reports* Philips' Gloeilampenfabrieken. Stratumdijk 26, P.O. Box 76, Eindhoven, Netherlands
- Philips Tech. Rev. (Netherlands)**  
*Philips Technical Review* NV Uitgeversmaatschappij Centrex (Centrex Publications Co.) NW Emmasingel 9, P.O. Box 76, Eindhoven, Netherlands
- Philips Telecommun. Rev. (Netherlands)**  
*Philips Telecommunication Review* N.V. Philips' Gloeilampenfabrieken, Eindhoven, Stratumdijk 26, P.O. Box 76, Netherlands
- Philips Test & Meas. Notes (Netherlands)**  
*Philips Test and Measuring Notes* Formerly: *Philips Electron. Meas. & Microwave Notes* (Netherlands) N.V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
- Philos. Mag. (GB)**  
*Philosophical Magazine* Taylor and Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England
- Philos. Sci. (USA)**  
*Philosophy of Science* Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, Mich. 48823, USA
- Philos. Trans. A (GB)**  
*Philosophical Transactions of the Royal Society of London. Series A (Mathematical and Physical Sciences)* 6 Carlton House Terrace, London, SW1Y 5AG, England
- Photoelectr. Spectrom. Group Bull. (GB)**  
*Photoelectric Spectrometry Group Bulletin* Title changed to: *UV Spectrom. Group Bull. (GB)*
- Photogr. Appl. Sci. Technol. & Med. (USA)**  
*Photographic Applications in Science, Technology and Medicine* 250 Fulton Avenue, Hempstead, N.Y. 11550, USA

**Photogr. J. (GB)**

*Photographic Journal* Royal Photographic Society, 14 South Audley Street, London, W1Y 5DP, England

**Photogr. Sci. & Eng. (USA)**

*Photographic Science and Engineering* Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue N.W., Washington, D.C. 20005, USA

**Photogramm. Eng. (USA)**

*Photogrammetric Engineering* American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, Va. 22046, USA

**Photogrammetria (Netherlands)**

*Photogrammetria* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands

**Phys. & Chem. Glasses (GB)**

*Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology)* Society of Glass Technology Thornton, Hallam Gate Road, Sheffield, S10 5BT, England

**Phys. & Chem. Liq. (GB)**

*Physics and Chemistry of Liquids* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Phys. Bl. (Germany)**

*Physikalische Blätter* Physik-Verlag, Mosbach/Baden, Germany

**Phys. Bull. (GB)**

*Physics Bulletin* Institute of Physics and the Physical Society, 47 Belgrave Square, London, SW1X 8QX, England

**Phys. Earth & Planet. Inter. (Netherlands)**

*Physics of the Earth and Planetary Interiors* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Phys. Educ. (GB)**

*Physics Education* Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England

**Phys. Fenn. (Finland)**

*Physica Fennica* Finnish Physical Society, Siltavuorenpenger 20 c, SF-00170 Helsinki 17, Finland

**Phys. Fluids (USA)**

*Physics of Fluids* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Kondens. Mater. (Germany)**

*Physik der Kondensierten Materie* Springer-Verlag, Postfach 1780, 6900 Heidelberg 1, Germany

**Phys. Lett. A (Netherlands)**

*Physics Letters. Volume A* North-Holland Publishing Co., P.O. Box 3489, Amsterdam, Netherlands

**Phys. Lett. B (Netherlands)**

*Physics Letters. Volume B* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Phys. Med. & Biol. (GB)**

*Physics in Medicine and Biology* Taylor and Francis, Cannon House, 10-14 Macklin Street, London, WC2B 5NF, England

**Phys. Met. & Metallogr. (GB)**

*Physics of Metals and Metallography* [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Phys. Norv. (Norway)**

*Physica Norvegica* Institute of Physics, University of Oslo, Blindern, per Oslo, Norway

**Phys. Rep. Phys. Lett. C (Netherlands)**

*Physics Reports. Physics Letters Section C* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**Phys. Rev. A (USA)**

*Physical Review A (General Physics)* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Rev. B (USA)**

*Physical Review B (Solid State)* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Rev. C (USA)**

*Physical Review C (Nuclear Physics)* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Rev. D (USA)**

*Physical Review D (Particles and Fields)* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Rev. Lett. (USA)**

*Physical Review Letters* American Physical Society, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Scr. (Sweden)**

*Physica Scripta* Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden

**Phys. Sintering (Yugoslavia)**

*Physics of Sintering* Institut Boris Kidric, P.O. Box 522, Beograd, Yugoslavia

**Phys. Status Solidi a (Germany)**

*Physica Status Solidi (a)* Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany. Academic Press, Berkeley Square House, Berkeley Square, London, W1X 6BA, England

**Phys. Status Solidi b (Germany)**

*Physica Status Solidi (b)* Publication address : Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin, Germany

**Phys. Teach. (USA)**

*Physics Teacher* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Phys. Technol. (GB)**

*Physics in Technology* Formerly: *Rev. Phys. Technol. (GB)* Institute of Physics, 47 Belgrave Square, London, SW1, England

**Phys. Today (USA)**

*Physics Today* American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Physica (Netherlands)**

*Physica* Subscription address: North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands

**PLA Bull. (USA)**

*PLA Bulletin* Pennsylvania Library Association. Editorial address: Mine Safety Appliances Co., Library, Pittsburgh, Pa. 15208, USA

**Planet. & Space Sci. (GB)**

*Planetary and Space Science* Pergamon Press Headington Hill Hall, Oxford, OX3 0BW, England

**Planseeber. Pulvermetall. (Austria)**

*Planseeberichte für Pulvermetallurgie* Postfach 74, 6600 Reutte, Austria

**Plant Eng. (GB)**

*Plant Engineer* Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1

**Plasma Phys. (GB)**

*Plasma Physics* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

**Plast. & Polym. (GB)**

*Plastics & Polymers* Plastics Institute, 11 Hobart Place, London, SW1W 0HL, England

**Plast. Eng. (USA)**

*Plastics Engineering* Formerly: *SPE J. (USA)* Society of Plastics Engineers Inc., 656 West Putnam Avenue, Greenwich, CT 06830, USA

**Plaste & Kautsch. (Germany)**

*Plaste und Kautschuk* VEB Deutscher Verlag für Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany

**Plating (USA)**

*Plating* American Electroplaters' Society, 56 Melmore Gardens, East Orange, N.J. 07017, USA

**Plessey Electron. (GB)**

*Plessey Electronics* Plessey Electronics Group, Surrey House, Temple Place, Victoria Embankment, London, WC2R 3BZ, England

**Podstawy Sterowania (Poland)**

*Podstawy Sterowania* Zakład Systemów Automatyki Kompleksowej PAN, Gliwice, ul. Zwycięstwa 21, Poland

**Point to Point Telecommun. (GB)**

*Point to Point Telecommunications* Title changed to: *Point-to-Point Commun. (GB)*

**Point-to-Point Commun. (GB)**

*Point-to-Point Communications* Formerly: *Point to Point Telecommun. (GB)* Marconi Communication Systems Ltd., Chelmsford, England

**Pol. Eng. (Poland)**

*Polish Engineering* WHZ-Polexportpress, Warszawa, Marszałkowska 124, Poland

**Pol. Tech. Rev. (Poland)**

*Polish Technical Review* Warszawa, Czackiego 3/5, Poland

**Policy Sci. (USA)**

*Policy Sciences* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA

**Polim. Tworzywa Wielkocząsteczkowe (Poland)**

*Polimery Tworzywa Wielkocząsteczkowe* Instytut Tworzyw Sztucznych, ul. Rydygiera 8, Warszawa 86, Poland

**Pollut. Eng. (USA)**

*Pollution Engineering* Technical Publishing Co., 35 Mason Street, Greenwich, Conn. 06830, USA

**Poluprovodn. Tekh. & Mikroelektron. (USSR)**

*Poluprovodnikovaya Tekhnika i Mikroelektronika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

**Polym. Mech. (USA)**

*Polymer Mechanics* [Translation of: *Mekh. Polim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

**Polym. News (GB)**

*Polymer News* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Polym. Sci. USSR (USA)**

*Polymer Science U.S.S.R.* [Translation of: *Vysokomol. Soedin. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England

**Polymer (GB)**

*Polymer* IPC Science and Technology Press, 32 High Street, Guildford, Surrey, England

**Polytech. Tijdschr. Bouwk. Water Wegenbouw (Netherlands)**

*Polytechnisch Tijdschrift Bouwkunde Water- en Wegenbouw* Secretariaat NIRIA, Balistraat 30, s'Gravenhage, Netherlands

**Polytech. Tijdschr. Elektrotech. Elektron. (Netherlands)**

*Polytechnisch Tijdschrift Elektrotechniek Elektronica* Secretariaat NIRIA, Nieuwe Parklaan 11, Netherlands

**Polytech. Tijdschr. Procestechn. (Netherlands)**

*Polytechnisch Tijdschrift Procestechniek* Secretariaat, NIRIA, Nieuwe Parklaan 11, Netherlands

**Polytech. Tijdschr. Werktuigbouw (Netherlands)**

*Polytechnisch Tijdschrift Werktuigbouw* Secretariaat NIRIA, Nieuwe Parklaan 11, Netherlands

**Pomiar Autom. Kontrola (Poland)**

*Pomiar Automatyka Kontrola* Wydawnictwa Czasopism Technicznych NOT, ul. Czackiego 3/5, Warszawa 1, Poland

**Pop. Electron. incl. Electron. World (USA)**

*Popular Electronics including Electronics World* Formerly: *Electron. World (USA)* Ziff-Davis Publishing Co., 1 Park Avenue, New York, N.Y. 10016, USA

**Porosh. Metall. (USSR)**

*Poroshkovaya Metallurgiya* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Powder Metall. & Met. Ceram. (USA)*]

**Port. Phys. (Portugal)**

*Portugaliae Physica* Instituto de Alta Cultura, Centros de Estudos de Física das Universidades Portuguesas. Rue da Escola Politécnica, Lisboa-2, Portugal

**Post Off. Electr. Eng. J. (GB)**

*Post Office Electrical Engineers' Journal* GPO, 2-12 Gresham Street, London, EC2V 7AG, England

**Post Off. Telecommun. J. (GB)**

*Post Office Telecommunications Journal* Post Office Central Headquarters, 23 Howland Street, London, W1P 6HQ, England

**Posta & Telecomunicații (Romania)**

*Posta și Telecomunicații* Calea Grivitei Nr. 193 B, Sector 8, București, Romania

**Postepy Astron. (Poland)**

*Postepy Astronomii* Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland

**Postepy Fiz. (Poland)**

*Postepy Fizyki* Polskie Towarzystwo Fizyczne, Reymonta 4, Krakow, Poland

**Powder Metall. (GB)**

*Powder Metallurgy* Powder Metallurgy Joint Group, 17 Belgrave Square, London, SW1X 8PU, England

**Powder Technol. (Switzerland)**

*Powder Technology* Elsevier Sequoia S.A., P.O. Box 851 1001 Lausanne 1, Switzerland



- Power (USA)**  
Power McGraw-Hill Inc., 330 West 42nd Street, New York, N.Y. 10036, USA
- Power Eng. (USA)**  
Power Engineering Technical Publishing Co., 1301 South Grove Avenue, Barrington, Ill. 60010, USA
- Power Farm. (GB)**  
Power Farming Agricultural Press Ltd., 161-166 Fleet Street, London, EC4P 4AA, England
- Pr. Inst. Elektrotech. (Poland)**  
Prace Instytutu Elektrotechniki Instytut Elektrotechniki, ul. Pozaryskiego 28, Warszawa-Miedzylesie, Poland
- Pr. Inst. Łączności (Poland)**  
Prace Instytutu Łączności Ul. Szachowa 1, Miedzeszyn, Warszawa, Poland
- Pr. Inst. Masz. Mat. (Poland)**  
Prace Instytutu Maszyn Matematycznych Editorial address: Brązowy Ośrodek INTE, Warszawa, ul. Krzywickiego 34, Poland
- Pr. Inst. Tele- i Radiotech. (Poland)**  
Prace Instytutu Tele- i Radiotechnicznego Ul. Ratuszowa 11, Warszawa, Poland
- Pr. Przem. Inst. Elektron. (Poland)**  
Prace Przemysłowego Instytutu Elektroniki Ul. Długa 44/50, Warszawa, Poland
- Pr. Przem. Inst. Telekomun. (Poland)**  
Prace Przemysłowego Instytutu Telekomunikacji Editorial address: Skrytka Pacztowa Nr. 7, ul. Poligonowa 30, Warszawa 26, Poland
- Prague Bull. Math. Linguist. (Czechoslovakia)**  
Prague Bulletin of Mathematical Linguistics Universita Karlova, Praha, Czechoslovakia. Editorial address: Laboratory of Algebraic Linguistics, Praha 1, Malostranské nám. 25
- Prakt. Energiekl. (Germany)**  
Praktische Energiekunde Technischer Verlag Resch KG, München-Graefelfing, Germany
- Prakt. Metallogr. (Germany)**  
Praktische Metallographie (Practical Metallography) Dr. Riederer-Verlag GmbH, d-7000 Stuttgart 1, Johannesstrasse 60. Postfach 447, Germany
- Pramana (India)**  
Pramana Indian Academy of Sciences, Bangalore 560006, India
- Prib. & Sist. Upr. (USSR)**  
Pribory i Sistemy Upravleniya Moscow. IGSP-110, Prospekt Mira 106, Komn. 5, USSR [English translation in: *Sov. Instrum. & Control J. (GB)*]
- Prib. & Tekh. Eksp. (USSR)**  
Pribory i Tekhnika Eksperimenta Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]
- Price Waterhouse Rev. (USA)**  
Price Waterhouse Review Price Waterhouse & Co., 1251 Avenue of the Americas, New York, N.Y. 10020, USA
- Pril. Geofiz. (USSR)**  
Priladnaya Geofizika Izdatel'stvo 'Nedra', Moskva, K-12, Tret'yakovskii Proezd 1/19, USSR
- Pril. Mat. & Mekh. (USSR)**  
Priladnaya Matematika i Mekhanika Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Appl. Math. & Mech. (USA)*]
- Pril. Mat. & Program. (USSR)**  
Priladnaya Matematika i Programirovanie Izdatel'stvo 'Shtiintsa', Kishinev, USSR
- Pril. Mekh. (USSR)**  
Priladnaya Mekhanika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
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Printing Technology Title changed to: *Prof. Printer (GB)*
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Problemy Bioniki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
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Problems of Control and Information Theory Akademiai Kiado, Budapest 502, P.O. Box 24, Hungary
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Probleme de Informare si Documentare Institutul Central de Documentare Tehnica, Bucuresti, Str. Cosmonautilor nr. 27-29, Sectorul 1, Romania
- Probl. Inf. Transm. (USA)**  
Problems of Information Transmission [Translation of: *Probl. Peredachi Inf. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Probl. Kibernet. (USSR)**  
Problemy Kibernetiki Izdatel'stvo 'Nauka', Moskva, v-71, Leninskii Prospekt 15, USSR
- Probl. Peredachi Inf. (USSR)**  
Problemy Peredachi Informatsii Moskva, E-24, Aviamotornaya 8, Korp. 2, USSR [English translation in: *Probl. Inf. Transm. (USA)*]
- Probl. Prochn. (USSR)**  
Problemy Prochnosti Editorial address: Academy of Sciences of the Ukrainian SSR, Kiev, USSR [English translation in: *Strength Mater. (USA)*]
- Probl. Tekh. Elektr. (USSR)**  
Problemy Tekhnicheskoi Elektrodinamiki Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Proc. & Trans. Rhod. Sci. Assoc. (Rhodesia)**  
Proceedings and Transactions of the Rhodesia Scientific Association M.O. Collins (Pvt.) Ltd., PO Box 3094, Salisbury, Rhodesia
- Proc. Am. Philos. Soc. (USA)**  
Proceedings of the American Philosophical Society 104 South Fifth St., Philadelphia, Pa. 19106, USA
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Proceedings of the Astronomical Society of Australia University Grounds, Sydney, N.S.W. Australia
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Proceedings of the British Acoustical Society 1 Birdcage Walk, London, SW1, England
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Proceedings of the British Ceramic Society Shelton House, Stoke-on-Trent, England
- Proc. Camb. Philos. Soc. (GB)**  
Proceedings of the Cambridge Philosophical Society Cambridge University Press, 200 Euston Road, London, NW1, England
- Proc. Egypt. Acad. Sci.**  
Proceedings of the Egyptian Academy of Sciences 'Dar el Hikma', 42 Qasr el Aini Street, Cairo, Egypt
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Proceedings of the IEEE Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Proc. Indian Acad. Sci. A**  
Proceedings of the Indian Academy of Sciences Section A Bangalore, India
- Proc. Indian Assoc. Cultiv. Sci.**  
Proceedings of the Indian Association for Cultivation of Sciences Issued with: *Indian J. Phys.*
- Proc. Indian Natl. Sci. Acad. A**  
Proceedings of the Indian National Science Academy, Part A Bahadur Shah Zafar Marg, New Delhi 1, India
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Proceedings of the Institution of Radio and Electronics Engineers, Australia Science House, 157 Gloucester Street, Sydney, N.S.W. Australia
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Proceedings of the Institution of Railway Signal Engineers Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England
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Proceedings of the Iowa Academy of Science University of Iowa, Iowa City, Iowa 52240, USA
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Proceedings of the Japan Academy Ueno Park, Tokyo, Japan
- Proc. K. Ned. Akad. Wet. B (Netherlands)**  
Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences) North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Proc. Leeds Philos. & Lit. Soc. (GB)**  
Proceedings of the Leeds Philosophical and Literary Society The University, Leeds, England
- Proc. Math. & Phys. Soc. UAR (Egypt)**  
Proceedings of the Mathematical and Physical Society of UAR Faculty of Science, Cairo University, Orman Gardens, Giza, Egypt
- Proc. Natl. Acad. Sci. India A**  
Proceedings of the National Academy of Sciences of India. Section A (Physical Sciences) Lajpatrai Road, Allahabad-2, India
- Proc. Natl. Acad. Sci. USA**  
Proceedings of the National Academy of Sciences of the United States of America 2101 Constitution Avenue, Washington, D.C. 20418, USA
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Proceedings of the Royal Institution of Great Britain 21 Albemarle Street, London, W1, England
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Proceedings of the Royal Irish Academy, Section A (Mathematical, Astronomical and Physical Science) 19 Dawson Street, Dublin 2, Ireland
- Proc. R. Soc. A (GB)**  
Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences) 6 Carlton House Terrace, London, SW1Y 5AG, England
- Proc. R. Soc. Victoria (Australia)**  
Proceedings of the Royal Society of Victoria Royal Society's Hall, 9 Victoria Street, Melbourne, 3000 Victoria, Australia
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Proceedings of the Radio Club of America 250 Park Avenue, Room 319, New York, N.Y. 10017, USA
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Proceedings of the Research Institute of Atmospheres Nagoya University Toyokawa-Shi, Aichi-Ken, Nagoya, Japan
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Proceedings of the Society for Information Display 654 North Sepulveda Boulevard, Los Angeles, Calif. 90049, USA
- Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB)**  
Proceedings of the University of Newcastle-upon-Tyne Philosophical Society Newcastle-upon-Tyne, England
- Proc. Vib. Probl. (Poland)**  
Proceedings of Vibration Problems Polish Academy of Sciences, Institute of Basic Technical Problems, Palac Kultury i Nauki, Warszawa, Poland
- Process Eng. (GB)**  
Process Engineering Morgan-Grampian (Publishers) Ltd., Calderwood Street, London, SE18 6QH, England
- Process Eng. Plant & Control (GB)**  
Process Engineering, Plant and Control Morgan-Grampian (Publishers) Ltd., 28 Essex Street, Strand, London, WC2, England. Incorporated with Process Eng. (GB)
- Process Instrum. (GB)**  
Process Instrumentation Formerly: *Instrum. Pract. (GB)* United Trade Press Ltd., 42/43 Gerrard Street, London, W1V 7LP, England
- Process Technol. Int. (GB)**  
Process Technology International Formerly: *Br. Chem. Eng. & Process Technol. (GB)* IPC Industrial Press Ltd., 33-40 Bowling Green Lane, London, EC1R 0NE, England
- Prof. Printer (GB)**  
Professional Printer Formerly: *Print. Technol. (GB)* Institute of Printing, 10/11 Bedford Row, London, WC1R 4DZ, England
- Prog. Mater. Sci. (GB)**  
Progress in Materials Science Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Prog. Surf. Sci. (GB)**  
Progress in Surface Science Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Prog. Theor. Phys. (Japan)**  
Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan
- Prog. Theor. Phys. Suppl. (Japan)**  
Supplement of the Progress of Theoretical Physics Research Institute for Fundamental Physics and the Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan

**Program (GB)**

*Program* Aslib, 3 Belgrave Square, London, SW1, England

**Program, Learn. & Educ. Technol. (GB)**

*Programmed Learning and Educational Technology* Association for Programmed Learning and Educational Technology, 27 Torrington Square, London, WC1, England

**Prom. Energ. (USSR)**

*Promyshlennaya Energetika* Moskva K-12, Cherkasski per. 2/10, USSR

**Prosthet. Int. (Denmark)**

*Prosthetics International* International Committee on Prosthetics and Orthotics, Orthopaedic Hospital, 3 Hans Knudsens Plads, Copenhagen O, Denmark

**Przegl. Elektrotech. (Poland)**

*Przegląd Elektrotechniczny* Editorial address: Crackiego 3/5, Warszawa, Poland

**Przegl. Telekomun. (Poland)**

*Przegląd Telekomunikacyjny* Editorial address: ul. Barbary 2, Warszawa, Poland

**PTB Mitt. (Germany)**

*PTB Mitteilungen* Friedr. Vieweg und Sohn GmbH, 33 Braunschweig, Burgplatz 1, Postfach 185, Germany

**PTT-Bedr. (Netherlands)**

*PTT-Bedrijf* Direction Centrale des PTT, 12 Kortenaerkade, Den Haag, Netherlands

**Publ. Astron. Soc. Jap. (Japan)**

*Publications of the Astronomical Society of Japan* Tokyo Astronomical Observatory, Mitaka, Tokyo, Japan

**Publ. Astron. Soc. Pac. (USA)**

*Publications of the Astronomical Society of the Pacific* c/o California Academy of Sciences, Golden Gate Park, San Francisco, Calif. 94118, USA

**Publ. Dom. Astrophys. Obs. (Canada)**

*Publications of the Dominion Astrophysical Observatory*, Victoria, British Columbia Dominion Astrophysical Observatory, Victoria, B.C., Canada

**Publ. Dom. Obs. (Canada)**

*Publications of the Dominion Observatory*, Ottawa Dominion Observatory, Department of Mines and Resources, Observatories Branch, Ottawa, Canada

**Publ. Earth Phys. Branch Dep. Energy Mines & Resour. (Canada)**

*Publications of the Earth Physics Branch* Department of Energy, Mines and Resources Ottawa, Canada

**Publ. Inst. R. Meteorol. Belg. A (Belgium)**

*Publications, Institut Royal Meteorologique de Belgique. Serie A, format in 4°* 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

**Publ. Inst. R. Meteorol. Belg. B (Belgium)**

*Publications, Institut Royal Meteorologique de Belgique, Serie B, format in 8°* 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium

**Public Light. (GB)**

*Public Lighting* Association of Public Lighting Engineers, Buckingham Court, 78 Buckingham Gate, London, SW1E 6PF, England

**Pure & Appl. Chem. (GB)**

*Pure and Applied Chemistry* Butterworths, 88 Kingsway, London, WC2B 6AB, England

**Pure & Appl. Geophys. (Switzerland)**

*Pure and Applied Geophysics* Birkhauser Verlag, Elisabethenstrasse 19, Basel 10, Switzerland

**Q. Appl. Math. (USA)**

*Quarterly of Applied Mathematics* Box 1881, Brown University, Providence, R.I. 02912, USA

**Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands)**

*Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists* Editorial address: Selterskampweg 45, Bennekom, Netherlands

**Q. Colo. Sch. Mines (USA)**

*Quarterly of the Colorado School of Mines* Golden, Colo. 80401, USA

**Q. J. Mech. & Appl. Math. (GB)**

*Quarterly Journal of Mechanics and Applied Mathematics* Oxford University Press, Ely House, London, W1, England

**Q. J. R. Astron. Soc. (GB)**

*Quarterly Journal of the Royal Astronomical Society* Royal Astronomical Society Burlington House, London, W1, England

**Q. J. R. Meteorol. Soc. (GB)**

*Quarterly Journal of the Royal Meteorological Society* 49 Cromwell Road, London, SW7, England

**Q. Rep. Railw. Tech. Res. Inst. (Japan)**

*Quarterly Report of the Railway Technical Research Institute* Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan

**Qual. & Zuverlässigkeit (Germany)**

*Qualität und Zuverlässigkeit* Rudolf Haufe Verlag, D-78 Freiburg, Postfach 740, Germany

**Qual. Eng. (GB)**

*Quality Engineer* Institution of Engineering Inspection, 146 Cromwell Road, London, SW7, England

**Qual. Manage. & Eng. (USA)**

*Quality Management & Engineering* Hitchcock Publishing Co., Hitchcock Building, Wheaton, Ill. 60187, USA

**Qual. Prog. (USA)**

*Quality Progress* American Society for Quality Control, 161 West Wisconsin Avenue, Milwaukee, Wis. 53203, USA

**Quaternary Res. (USA)**

*Quaternary Research* Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**R & D Manage. (GB)**

*R & D Management* Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England

**R. Obs. Bull. (GB)**

*Royal Observatory Bulletins* Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England

**R. Telev. Soc. J. (GB)**

*Royal Television Society Journal* Peter Peregrinus, P.O. Box 8, Southgate House, Stevenage, Herts, England

**Rad. Zavoda Fiz. (Yugoslavia)**

*Radovi Zavoda za Fiziku* Edicija Zavoda za Fiziku Tehnickih Fakulteta u Beogradu, ul. Ruzveltova 1a/1, Beograd, Yugoslavia

**Radiat. Eff. (GB)**

*Radiation Effects* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England

**Radiat. Res. (USA)**

*Radiation Research* Radiation Research Society, Academic Press, 111 Fifth Avenue, New York, N.Y. 10003, USA

**Radiat. Res. Rev. (Netherlands)**

*Radiation Research Reviews* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands

**Radio & Electron. Constructor (GB)**

*Radio & Electronics Constructor* Formerly: *Radio Constructor (GB)* Data Publications Ltd., 57 Maida Vale, London, W9 1SN, England

**Radio & Electron. Eng. (GB)**

*Radio and Electronic Engineer* Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG, England

**Radio Commun. (GB)**

*Radio Communication* Radio Society of Great Britain, 35 Doughty Street, London, WC1N 2AE, England

**Radio Constructor (GB)**

*Radio Constructor* Title changed to: *Radio & Electron. Constructor (GB)*

**Radio Electron. & Commun. Syst. (USA)**

*Radio Electronics and Communications Systems* [Translation of: *Izv. VUZ Radioelektron. (USSR)*] Faraday Press, 84 Fifth Avenue, New York, N.Y. 10017, USA

**Radio Elektron. Schau (Austria)**

*Radio Elektronik Schau* Technischer Verlag Ing. Walter Erb, A-1061 Wien 6, Mariahilfer Strasse 71, Postfach 101, Austria

**Radio Eng. & Electron. Phys. (USA)**

*Radio Engineering and Electronic Physics* [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, D.C. 20005, USA

**Radio Fernsehen Elektron. (Germany)**

*Radio Fernsehen Elektronik* VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin, Germany

**Radio Ind. (Italy)**

*Radio Industria* Via Ripamonti 115, 20141 Milano, Italy

**Radio Mentor (Germany)**

*Radio Mentor* Title changed to: *Radio Mentor Electron. (Germany)*

**Radio Mentor Electron. (Germany)**

*Radio Mentor Electronic* Formerly: *Radio Mentor (Germany)* Radio Mentor Verlag Walter Regelen, D-1000 Berlin 33, Hubertusbader Strasse 16, Germany

**Radio Sci. (USA)**

*Radio Science* American Geophysical Union, 2901 Byrdhill Road, Richmond, Va. 23228, USA

**Radio Telev. (Czechoslovakia)**

*Radio Television* Administrative Council of the International Radio and Television Organization (OIRT), Prague 5, U Mrazovky 15, Czechoslovakia

**Radio TV Electron. (Switzerland)**

*Radio-TV Electronic* Eichstrasse 24, CH-8045 Zurich, Switzerland

**Radio-Electron. (USA)**

*Radio-Electronics* 200 Park Avenue South, New York, N.Y. 10003, USA

**Radiochem. & Radioanal. Lett. (Switzerland)**

*Radiochemical and Radioanalytical Letters* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

**Radiophys. & Quantum Electron. (USA)**

*Radiophysics and Quantum Electronics* [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 227 West 17th Street New York, N.Y. 10011, USA

**Radiotekh. & Elektron. (USSR)**

*Radiotekhnika i Elektronika* Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]

**Radiotekhnika (USSR)**

*Radiotekhnika* Editorial address: ul Gor'kogo 7, Moskva K-9, USSR [English translation in: *Telecommun. & Radio Eng. Pt. 2 (USA)*]

**Radiotekhnika, Kharkov (USSR)**

*Radiotekhnika* Izdatel'stvo Khar'kovskogo Ordena Trudovogo Krasnogo Ziameni Gosudarstvennogo Universiteta Im. A.M. Gor'kogo, Kharkov, USSR

**Rafena Tech. Commun. (Germany)**

*Rafena Technical Communications* VEB Rafena-Werke, 8142 Radeberg, Wilhelm-Pieck-Strasse 70, Germany

**Rail Int. (Belgium)**

*Rail International* International Railway Congress Association, Rue de Louvain 17-21, B-1000 Bruxelles, Belgium

**Railw. Eng. (S. Africa)**

*Railway Engineering* Thomson Publications S.A. (Pty) Ltd., Marcuson Centre, Cor Menton and Park Roads, Richmond, Johannesburg, South Africa

**Railw. Eng. J. (GB)**

*Railway Engineering Journal - REJ* Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England

**Railw. Gaz. Int. (GB)**

*Railway Gazette International* IPC Transport Press, Dorset House, Stamford Street, London, SE1, England

**Range (Netherlands)**

*Range* Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands

**Raumfahrtforschung (Germany)**

*Raumfahrtforschung* Vertrieb Raumfahrtforschung, 8 München 5, Am Glockenbach 12, Germany

**RCA Appl. Note (USA)**

*RCA Application Note* Radio Corporation of America, Electronic Components and Devices, Harrison, N.J., USA

**RCA Rev. (USA)**

*RCA Review* Radio Corporation of America, RCA Laboratories Division, Princeton, N.J. 08540, USA

**React. Technol. (USA)**

*Reactor Technology* U.S. Atomic Energy Commission, Division of Technical Information, Washington, D.C. 20545, USA

**Reactor (GB)**

*Reactor* Reactor Group, UKAEA, Risley, Warrington, Lancs, England

**Rec. Electr. & Commun. Eng. Conversazione Tohoku Univ. (Japan)**

*Record of Electrical and Communication Engineering Conversazione Tohoku University* Tohoku University, Research Institute of Electrical Communication, Sendai, Japan



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*Recherche Aerospatiale* Office National d'Etudes et de Recherches Aerospatiales, 29 Avenue de la Division Leclerc, 92-Chatillon, France
- Rech. Spat. (France)**  
*Recherche Spatiale* Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- Rechentechn. Datenverarb. (Germany)**  
*Rechentechnik Datenverarbeitung* Verlag der Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany
- Recherche (France)**  
*Recherche* 4 Place de l'Odeon, Paris 6, France
- Refractories (USA)**  
*Refractories* [Translation of: *Ogneupure (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Reg. Conf. Ser. Appl. Math. (USA)**  
*Regional Conference Series in Applied Mathematics* Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, Pa. 19103, USA
- Regelungstech. & Prozess-Datenverarb. (Germany)**  
*Regelungstechnik und Prozess-Datenverarbeitung* R. Oldenbourg, 8 München 80, Rosenheimer Strasse 145, Germany
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*Regelstechnische Praxis und Prozess-Rechentechnik* Issued with: *Regelungstech. & Prozess-Datenverarb. (Germany)*, Germany
- Relay Eng. (GB)**  
*Relay Engineer* Title changed to: *Cable Telev. Eng. (GB)*
- Remote Sensing Environ. (USA)**  
*Remote Sensing of Environment* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA
- Rend. Ist. Lomb. A (Italy)**  
*Istituto Lombardo. Rendiconti A. Scienze* Accademia di Scienze e Lettere, Palazzo Brera, Via Brera 28, Milano, Italy
- Rend. Ist. Super. Sanita (Italy)**  
*Rendiconti dell' Istituto Superiore di Sanita* Fondazione Emanuele Paterno, Viale Regina Elena 229, Roma, Italy
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*Rendiconti della Riunione Annuale dell' Associazione Elettrotecnica Italiana* Viale Picerno 17, Milano, Italy
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*Reports of the Faculty of Engineering Shizuoka University* Hamamatsu, Japan
- Rep. Gov. Ind. Res. Inst. Nagoya (Japan)**  
*Reports of the Government Industrial Research Institute Nagoya* Hirate-machi Kita-ku, Nagoya, Japan
- Rep. Himeji Inst. Technol. (Japan)**  
*Reports of Himeji Institute of Technology* Himeji, Japan
- Rep. Inst. High Speed Mech. Tohoku Univ. B (Japan)**  
*Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology))* Sendai, Japan
- Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)**  
*Report of the Institute of Industrial Science, University of Tokyo* 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan
- Rep. Inst. Phys. & Chem. Res. (Japan)**  
*Reports of the Institute of Physical and Chemical Research* Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan
- Rep. Ionos. & Space Res. Jap. (Japan)**  
*Report of Ionosphere and Space Research in Japan* Institute of Space and Aeronautical Science, University of Tokyo, Komaba, Meguro-ku, Tokyo 153, Japan
- Rep. Math. Phys. (Netherlands)**  
*Reports on Mathematical Physics* North-Holland Publishing Co., PO Box 3489, Amsterdam-C, Netherlands
- Rep. NRL Prog. (USA)**  
*Report of NRL Progress* National Technical Information Service, U.S. Department of Commerce, Springfield, Va. 22151, USA
- Rep. Prog. Phys. (GB)**  
*Reports on Progress in Physics* Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
- Rep. Res. Inst. Appl. Mech. (Japan)**  
*Reports of Research Institute for Applied Mechanics* Kyushu University, Hakozaki, Fukuoka 812, Japan
- Rep. Res. Inst. Electr. Commun. Tohoku Univ. (Japan)**  
*Reports of the Research Institute of Electrical Communication, Tohoku University* Sendai, Japan
- Rep. Res. Inst. Ind. Sci. Kyushu Univ. (Japan)**  
*Reports of the Research Institute of Industrial Science, Kyushu University* Fukuoka, Kyushu, Japan
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*Reports of the Research Institute for Strength and Fracture of Materials* Tohoku University, Sendai, Japan
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*Reports of the Research Laboratory for Surface Science, Okayama University* Faculty of Science, Okayama, Japan
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*Reports of Statistical Application Research, Union of Japanese Scientists and Engineers* 5-10-11 Sendagaka, Shibuya-ku, Tokyo, Japan
- Rep. Teleph. Eng. (Germany)**  
*Reports on Telephone Engineering* Title changed to: *Telef. Rep. (Germany)*
- Rep. Univ. Electro-Commun. (Japan)**  
*Reports of the University of Electro-Communications* 14 Kojima-cho, Chofu-shi, Tokyo, Japan
- Res. Bull. Reg. Eng. Coll. Warangal (India)**  
*Research Bulletin, Regional Engineering College, Warangal* Warangal (AP) Kazipet (PO), India
- Res. Disclosure (GB)**  
*Research Disclosure* Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England
- Res. Electrotech. Lab. (Japan)**  
*Researches of the Electrotechnical Laboratory* 2-chome, Nagata-cho, Chiyoda-ku, Tokyo, Japan
- Res. Librarianship (GB)**  
*Research in Librarianship* 6 Ellesmere Road, Chorlton-cum-Hardy, Manchester, M21 1SR, England
- Res. Rep. Autom. Control Lab. Fac. Eng. Nagoya Univ. (Japan)**  
*Research Reports of Automatic Control Laboratory, Faculty of Engineering, Nagoya University* Chikusa, Nagoya, Japan
- Res. Rep. Fac. Eng. Meiji Univ. (Japan)**  
*Research Reports of the Faculty of Engineering, Meiji University* Meiji, Japan
- Res. Rep. Fac. Eng. Niigata Univ. (Japan)**  
*Research Report of the Faculty of Engineering, Niigata University* Nagaoka, Japan
- Res. Rep. Nagaoka Tech. Coll. (Japan)**  
*Research Reports of the Nagaoka Technical College* Nagaoka, Japan
- Res./Dev. (USA)**  
*Research/Development* F.D. Thompson Publications, 1301 South Grove Avenue, Barrington, Ill. 60010, USA
- Research (GB)**  
*Research* Westhaven Journals Ltd., 1 Yattendon Road, Horley, RH6 7BS Surrey, England
- Rev. A (Belgium)**  
*Revue A* Presses Academiques Europeennes, 98 Chaussee de Charleroi, Bruxelles 1060, Belgium
- Rev. Acad. Cienc. Zaragoza (Spain)**  
*Revista de la Academia de Ciencias Zaragoza* Academia de Ciencias Exactas, Fisico-Quimicas y Naturales de Zaragoza, Plaza de Paraiso 1, Zaragoza, Spain
- Rev. Astron. (Argentina)**  
*Revista Astronomica* Asociacion Argentina Amigos de la Astronomia, Avenida Patricias Argentinas 550, Buenos Aires 5, Argentina
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*Revista de Automatica* Asociacion Espanola de Automatica, Facultad de Ciencias, Ciudad Universitaria, Madrid 3, Spain
- Rev. Bras. Fis. (Brazil)**  
*Revista Brasileira de Fisica* Sociedade Brasileira de Fisica, Cx. Postal 20553, Sao Paulo SP, Brazil
- Rev. Cathedec (France)**  
*Revue du Cathedec* Centre d'Etudes Theoriques de la Detection et des Communications, 5 bis, avenue de la Porte de Sevres, Paris 15, France
- Rev. Chim. Miner. (France)**  
*Revue de Chimie Minerale* Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- Rev. Cie. Gen. Electr. (France)**  
*Review of Compagnie Generale d'Electricite* 54 rue la Boetie, 75382 Paris-Cedex 08, France
- Rev. E (Belgium)**  
*Revue E* Issued with: *Bull. Soc. R. Belge Electr. (Belgium)*
- Rev. Electr. & Mec. (France)**  
*Revue d'Electricite et de Mecanique* Alsthom, 38 Avenue Kleber, Paris 16, France
- Rev. Electr. Commun. Lab. (Japan)**  
*Review of the Electrical Communication Laboratory* Nippon Telegraph and Telephone Public Corp., Midori-cho, 9-11 Musasino-si, 3chome, Tokyo, Japan
- Rev. Electrotec. (Argentina)**  
*Revista Electrotecnica* Asociacion Argentina de Electrotecnicos, Posadas 1659, Buenos Aires, Argentina
- Rev. Electrotec. (Spain)**  
*Revista Electrotecnica* Asociacion Electrotecnica Espanola, Aribau 61, Barcelona, Spain
- Rev. Esp. Electron. (Spain)**  
*Revista Espanola de Electronica* Ediciones Tecnicas 'Rede', Apartado 5252, Barcelona, Spain
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*Revista de Fisica* Escola Nacional de Engenharia, Instituto de Oleos, Av. Maracana 252, Rio de Janeiro, Brazil
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*Revue F.I.T.C.E.* Federation des Ingenieurs des Telecommunications de la Communaute Europeenne, 42 rue des Palais, 1030 Bruxelles, Belgium
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*Review of Physical Chemistry of Japan* Physico-Chemical Society of Japan, College of Science, Kyoto University, Kyoto, Japan
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*Rheologica Acta* Dr. Steinkopf Verlag, 6100 Darmstadt. Postfach 1008, Germany
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*Rhodesian Engineer* Rhodesian Institution of Engineers, P.O. Box 660, Salisbury, Rhodesia
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*Ricerca Scientifica Supplemento* Consiglio Nazionale delle Ricerche, 7 Piazzale delle Scienze 00100, Roma, Italy
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*Ricerche Spettroscopiche* Specola Vaticana, Citta dei Vaticano, Italy
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*Rivista dell'Informazione (Information Review)* 00193 Roma, via Calamatta 16, Italy
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*Rivista del Nuovo Cimento* Societa Italiana di Fisica, Via Degli Andalò 2, Bologna 40124, Italy, Italy
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*Rock Mechanics (Felsmechanik-Mecanique des Roches)* Springer-Verlag, Molkerbastei 5, P.O. Box 367, A-1011 Wien, Austria
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*Rontgenpraxis* S. Hirzel Verlag, 7 Stuttgart 1, Postfach 347, Germany
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*Rozprawy Electrotechniczne* Polska Akademia Nauk, Instytut Podstawowych Problemow Techniki, Warszawa, Poland
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*Rozprawy Hydrotechniczne* Instytut Budownictwa Wodnego, Polskiej Akademii Nauk w Gdansk, Gdansk, Poland
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*RSC Railway System Controls* Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, Conn. 06010, USA
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*Rundfunktechnische Mitteilungen* Instut fur Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany
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*Russian Engineering Journal* [Translation of: *Vestn. Mashinostr. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England
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*Rutgers Journal of Computers and the Law* Rutgers Law School, 180 University Avenue, Newark, N.J. 07102, USA
- S. Afr. Comput. Bull. (S. Africa)**  
*South African Computer Bulletin* Computer Society of South Africa, P.O. Box 1207, Johannesburg, South Africa
- S. Afr. J. Antarct. Res.**  
*South African Journal of Antarctic Research* Editorial Address: P.O. Box 3718, Johannesburg, South Africa
- Saehkoe (Finland)**  
*Saeko Electricity in Finland* Sarkiniementie 3, Helsinki 21, Finland
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*Scanner* Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England
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*School Science Review* Association for Science Education, 52 Bateman Street, Cambridge. Publication address: John Murray, 50 Albemarle Street, London, W1, England
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*Schweiss Technik* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany
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*Schweissen + Schneiden* Deutscher Verlag fur Schweisstechnik (DVS) GmbH, Dusseldorf, Schadowstrasse 42, Germany
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*Schweizer Archiv* Buchdruckerei Vogt-Schild, AG 4500 Solothurn 2, Switzerland
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*Sci-Tech News* Science and Technology Orientated Divisions, Special Libraries Association, 235 Park Avenue South, New York, N.Y. 10003, USA
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*Science and Culture* Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India
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*Science and Engineering Reports of Saitama University, Series C*, Urawa-City, Saitama-ken, Japan
- Sci. & Eng. Rev. Doshisha Univ. (Japan)**  
*Science and Engineering Review of Doshisha University* Science and Engineering Research Institute of Doshisha University, Kyoto, Japan
- Sci. & Ind. Spat. (Switzerland)**  
*Sciences & Industries Spatiales* Title changed to: *Ind. At. & Spat. (France)*
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*Science and Technology* International Communications, 205 East 42nd Street, New York, N.Y. 10017, USA
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*Scientific American* 415 Madison Avenue, New York, N.Y. 10017, USA
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*Science Dimension* National Research Council of Canada, Ottawa K1A 0R6, Canada
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*Science of Light* Published by the Institute for Optical Research, Tokyo University of Education (in collaboration with the Spectroscopical Society of Japan), 400, Hyakunintyo-4, Sinyuku, Tokyo 160, Japan
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*Scientific Proceedings of the Royal Dublin Society, Series A* Ball's Bridge, Dublin, Ireland
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*Science Progress* Blackwell Scientific Publications, Oxford, England
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*Science Progres Decouverte* Centrales des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- Sci. Rep. Kanazawa Univ. (Japan)**  
*Science Reports of Kanazawa University* Faculty of Science, Kanazawa University, Kanazawa, Japan
- Sci. Rep. Osaka Univ. (Japan)**  
*Science Reports Osaka University* College of General Education, Osaka University, Toyonaka, Osaka, Japan
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*Scientific Researches* East Regional Laboratories. Pakistan Council of Scientific and Industrial Research, Dacca, Bangladesh
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*Sciencea Revuo* Prof. B. Popovic, Ognjena Price 80, Beograd, Yugoslavia
- Sci. Sin. (China)**  
*Scientia Sinica* Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China
- Sci. Tools (Sweden)**  
*Science Tools* LKB Produkter Fabriksaktiebolag, P.O. Box 76, Stockholm-Bromma 1, Sweden
- Science (USA)**  
*Science* American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington, D.C. 20005, USA
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*Scientia* Universidad Tecnica Federico Santa Maria, Casilla 110-V, Valparaiso, Chile
- Scientia (Italy)**  
*Scientia* Via Donizetti 55, 20122 Milano, Italy
- Ser. Metall. (USA)**  
*Scripta Metallurgica* Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA



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*Sdelovaci Technika* Publishers of Technical Literature, Spalena 51, 113 02 Praha 1, Czechoslovakia

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*Sea Technology* Formerly: *Undersea Technol. (USA)* Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, Va. 22209, USA

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*Seminars in Nuclear Medicine* Henry M. Stratton, Inc., Publishers, 757 Third Avenue, New York, N.Y. 10017, USA

**SERT J. (GB)**

*SERT Journal* Society of Electronic and Radio Technicians, 8 Charing Cross Road, London, WC2H 0HP, England

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*Shimadzu Review* Shimadzu Seisakusho Ltd., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan

**SIAM J. Appl. Math. (USA)**

*SIAM Journal on Applied Mathematics* Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, Pa. 19103, USA

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*SIAM Journal on Computing* SIAM Publications, 33 South 17th Street, Philadelphia, Pa. 19103, USA

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*SIAM Journal on Control* SIAM Publications, 33 South 17th Street, Philadelphia, Pa. 19103, USA

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*SIAM Journal on Mathematical Analysis* SIAM Publications, 33 South 17th Street, Philadelphia, Pa. 19103, USA

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*SIAM Journal on Numerical Analysis* SIAM Publications, 33 South 17th Street, Philadelphia, Pa. 19103, USA

**SIAM Rev. (USA)**

*SIAM Review* SIAM Publications, 33 South 17th Street, Philadelphia, Pa. 19103, USA

**SID J. (USA)**

*SID Journal* Formerly: *Inf. Disp. (USA)* Society for Information Display, 1605 Cahuenga Boulevard, Los Angeles, Calif. 90028, USA

**Siemens Electron. Components Bull. (Germany)**

*Siemens Electronic Components Bulletin* Siemens Aktiengesellschaft, Schriffliehung, 8000 München 25, Machlfinger Strasse 10, Germany

**Siemens Forsch. - & Entwicklungsb. (Germany)**

*Siemens Forschungs- und Entwicklungsberichte (Research and Development Reports)* Springer-Verlag, D-1 Berlin 33, Heidelberger Platz 3, Germany

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*Siemens Review* Siemens-Aktiengesellschaft, Postfach 325, 8520 Erlangen 2, Germany

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*Siemens-Albis Berichte* Formerly: *Albiswerk-Ber. (Switzerland)* Siemens-Albis Aktiengesellschaft, Albisriederstrasse 245, 8047 Zurich, Switzerland

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*Simon Stevin* De Natuur - en Geneeskundige Vennootschap, Rozier 44, Gent, Belgium

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*Simulation & Games* Sage Publications, 275 South Beverly Drive, Beverly Hills, Calif. 90212, USA

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*Simulation* Simulation Councils Inc., P.O. Box 2228, La Jolla, Calif. 92037, USA

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**Skoda Rev. (Czechoslovakia)**

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*Society of Photo-Optical Instrumentation Engineers Journal* 119 Palos Verdes Boulevard, Redondo Beach, Calif. 90277, USA

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*Software - Practice and Experience* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex, England

**Software World (GB)**

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*Solid State Communications* Pergamon Press, Maxwell House, Fairview Park, Elmsford, N.Y. 10523, USA. Supplement to *J. Phys. Chem. Solids* (GB)

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*Solid State Physics* Science Press, Kojimachi Mansion No. 3, Kojimachi 5-chome, Chiyoda-ku, Tokyo, Japan

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*Sound and Vision Broadcasting* Marconi Co., Chelmsford, Essex, England

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*Southern Stars* Royal Astronomical Society of New Zealand, P.O. Box 3181, Wellington C1, New Zealand

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*Soviet Astronomy-AJ* [Translation of: *Astron. Zh. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

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*Soviet Electrochemistry* [Translation of: *Elektrokhimiya (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, England

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*Soviet Instrumentation and Control Journal* Formerly: *Sov. J. Instrum. & Control (GB)* [Translation of: *Prib. & Sist. Upr. (USSR)*] Robert Maxwell & Co. Ltd., Headington Hill Hall, Oxford, OX3 0BJ, England

**Sov. J. Instrum. & Control (GB)**

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*Soviet Journal of Optical Technology* [Translation of: *Opt.-Mekh. Prom.-st. (USSR)*] Optical Society of America, 2100 Pennsylvania Avenue N.W., Washington, D.C. 20037, USA

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*Soviet Journal of Particles and Nuclei* [Translation of: *Fiz. Elem. Chastits & At. Yadra (USSR)*] American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017, USA

**Sov. J. Quantum Electron. (USA)**

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*Soviet Science Review* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Space Life Sci. (Netherlands)**  
*Space Life Sciences* D. Reidel Publishing Co., PO Box 17, Dordrecht, Netherlands
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*Space Science Reviews* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
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*Spaceflight* British Interplanetary Society, 12 Bessborough Gardens, London, SW1, England
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*Span* Central Electricity Generating Board, Burymead House Guildford, Surrey, England
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*Special Contributions of the Geophysical Institute, Kyoto University* Title changed to: *Contrib. Geophys. Inst. Kyoto Univ. (Japan)*
- Spec. Libr. (USA)**  
*Special Libraries* Special Libraries Association, 235 Park Avenue South, New York, N.Y. 10003, USA
- Spectrochim. Acta A (GB)**  
*Spectrochimica Acta. Volume A, Molecular Spectroscopy* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Spectrochim. Acta B (GB)**  
*Spectrochimica Acta. Volume B, Atomic Spectroscopy* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Spectrosc. Lett. (USA)**  
*Spectroscopy Letters* Marcel Dekker, 95 Madison Avenue, New York, N.Y. 10016, USA
- Sperry Rand Eng. Rev. (USA)**  
*Sperry Rand Engineering Review* Title changed to: *Sperry Technol. (USA)*
- Sperry Technol. (USA)**  
*Sperry Technology* Formerly: *Sperry Rand Eng. Rev. (USA)*  
*Sperry Rand Corp.*, 1290 Avenue of the Americas, New York, N.Y. 10019, USA
- St. & Highway Light. (USA)**  
*Street and Highway Lighting* Street and Highway Safety Lighting Bureau, 110 East 59th Street, New York, N.Y. 10022, USA
- Stanki & Instrum. (USSR)**  
*Stanki i Instrument* Mashinostroenie, ul. 25 Oktyabrya, d. 10, Moskva, K-12, USSR [English translation in: *Mach. & Tool. (GB)*]
- State Inst. Tech. Res. Publ. (Finland)**  
*State Institute for Technical Research. Publications* Lonnrotinkatu 37, Helsinki, Finland
- State Inst. Tech. Res. Rep. II (Finland)**  
*State Institute for Technical Research Report. Series II* Lonnrotinkatu 37, Helsinki, Finland
- Statistician (GB)**  
*Statistician* Longman Group Ltd., Journals Division, 5 Bentineck Street, London, W1M 5RN, England
- Steam & Heat. Eng. (GB)**  
*Steam and Heating Engineer* Troup Publications, 35 Red Lion Square, London, WC1, England
- Steklo & Keram. (USSR)**  
*Steklo i Keramika* Kuznetskii Most, d. 20, Moskva, K-31, USSR [English translation in: *Glass & Ceram. (USA)*]
- Steuerungstechnik (Germany)**  
*Steuerungstechnik* Krausskopf-Verlag, 65 Mainz, Postfach 2760, Lessingstrasse 12-14, Germany
- Stochastic Processes & Appl. (Netherlands)**  
*Stochastic Processes and their Applications* North-Holland Publishing Co., Journal Division, P.O. Box 211, Amsterdam, Netherlands
- Stochastics (GB)**  
*Stochastics* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England
- Stockh. Obs. Ann. (Sweden)**  
*Stockholms Observatoriums Annaler* Almquist and Wiksell, Gamla Brogatan 26, Stockholm, Sweden
- Strain (GB)**  
*Strain* British Society for Strain Measurement, 281 Heaton Road, Newcastle upon Tyne, NE6 5QB, England
- Strength Mater. (USA)**  
*Strength of Materials* [Translation of: *Probl. Prochn. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA
- Stud. & Ceret. Doc. (Romania)**  
*Studii si Cercetari de Documentare* Centrul de Informare si Documentare al Invatamintului, Str. Gutenberg Nr. 6 bis, Sector 6, Bucuresti, Romania
- Stud. & Ceret. Energ. & Electroteh. (Romania)**  
*Studii si Cercetari de Energetica si Electrotehnica* Editura Academiei Republicii Socialiste Romania, Sos Vitan nr. 236, Bucuresti, Romania
- Stud. & Ceret. Fiz. (Romania)**  
*Studii si Cercetari de Fizica* Academia Republicii Populare Romine, P.O. Box 134-5, Calca Victoriei 126, Bucuresti, Romania
- Stud. & Ceret. Stint. Fiz. & Stint. Teh. (Romania)**  
*Studii si Cercetari Stiintifice, Fizica si Stiinta Tehnice* Academia Republicii Populare Romine, POB 134-4, Bucuresti, Romania
- Stud. Appl. Math. (USA)**  
*Studies in Applied Mathematics* Massachusetts Institute of Technology, 50 Ames Street, Cambridge, Mass. 02142, USA
- Stud. Q. J. Inst. Electr. Eng. (GB)**  
*Students' Quarterly Journal of the Institution of Electrical Engineers* Savoy Place, London, WC2R 0BL, England
- Sudan Eng. Soc. J.**  
*Sudan Engineering Society Journal* P.O. Box 759, Khartoum, Sudan
- Sulzer Tech. Rev. (Switzerland)**  
*Sulzer Technical Review* Sulzer Brothers Ltd., Winterthur, Switzerland
- Sumitomo Electr. Tech. Rev. (Japan)**  
*Sumitomo Electric Technical Review* Sumitomo Electric Industries Ltd., The New Sumitomo Bldg., 15, 15-chome, Kitahama, Higashi-ku, Osaka, Japan
- Surf. Sci. (Netherlands)**  
*Surface Science* North-Holland Publishing Co., P.O. Box 3489, Amsterdam-C, Netherlands
- Svar. Proizvod. (USSR)**  
*Svarochnoye Proizvodstvo* Mashinostroenie, Moskva, I-110 GSP, Nro-nekt Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]
- Sven. Kraftverksforen. Publ. (Sweden)**  
*Svenska Kraftverksforeningens Publikationer* Birger Jarlsgratan 41a, 111 45 Stockholm, Sweden
- Sven. Kraftverksforen. Publ. Medd. (Sweden)**  
*Svenska Kraftverksforeningens Publikationer Meddelande* Birger Jarlsgratan 41b, 111 45 Stockholm, Sweden
- Svetotekhnika (USSR)**  
*Svetotekhnika* Agent: Mezhdunarodnaya Kniga, Moskva, USSR
- Sveitsaren (Sweden)**  
*Sveitsaren (English Edition)* ESAB, Box 8850, S-402 71 Goteborg 8, Sweden
- Swiss Tech. (Switzerland)**  
*Swiss Technics* Swiss Office for the Development of Trade, Dreikonigstrasse 8, 8022 Zurich, Switzerland
- Syst. & Commun. (GB)**  
*Systems and Communications* Systems Publications, Bugle House, Noel Street, London, W1, England
- Syst. & Control (Japan)**  
*Systems and Control* Japan Association of Automatic Control Engineers, 1 Ichoden-cho, Yamabana, Sakyo-ku, Kyoto 606, Japan
- Syst. Comput. Control (USA)**  
*System - Computers - Control* Scripta Publishing Corp., 1511 K Street, N.W., Washington, D.C. 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D (Japan) and other primary Japanese periodicals
- Syst. Logiques (Switzerland)**  
*Systèmes Logiques* Chaire de Systèmes Logiques, Ecole Polytechnique Fédérale, 16 Chemin de Bellevue, ch-1007 Luasanne, Switzerland
- Syst. Technol. (GB)**  
*Systems Technology* Plessey Co., Coopers Buildings, Church Street, Liverpool, L1 3AN, England
- Systema (Italy)**  
*Systema* Edizioni del Poligramma via A. Vespucci 39, 10129 Torino, Italy
- Systems (S. Africa)**  
*Systems (Stelsels)* Computer Society of South Africa, Editorial address: Box 4886, Johannesburg, South Africa
- Szklo & Ceram. (Poland)**  
*Szklo i Ceramika* Warszawa 1, Mokotowska 4/6, pok 40, Poland
- T.-I.-T. J. Life Sci. (USA)**  
*T.-I.-T. Journal of Life Sciences* T.-I.-T. Institute, P.O. Box 4563, Philadelphia, Pa. 19131, USA
- Takenaka Tech. Res. Rep. (Japan)**  
*Takenaka Technical Research Report* Takenaka Komuten Co. Ltd., 27 4-chome, Hommachi, Higashi-ku, Osaka, Japan
- Talanta (GB)**  
*Talanta* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Tec. Regul. & Mando Autom. (Spain)**  
*Tecnic de la Regulacion y Mando Automatico* Compania Espanola de Editoriales Tecnológicas Internacionales SA, Rosellon, 300, 2, Barcelona 9, Spain
- Tech. Ber. (Austria)**  
*Technische Berichte* Nachrichtentechnische Werke AG, 1031 Wien, Apostelgasse 12, Austria
- Tech. CEM (France)**  
*Techniques CEM* Cie Electro-Mecanique, 37 rue du Rocher, Paris 8, France
- Tech. Chron. (Greece)**  
*Technika Chronika* Technical Chamber of Greece, Kolokotron Street, Athens, Greece
- Tech. Dig. (USA)**  
*Technical Digest* Western Electric Co., 555 Union Boulevard, Allentown, PA 18103, USA. Western Electric Co., Patent Organisation, Department 400, 555 Union Boulevard, Allentown, Pa. 18103, USA
- Tech. Electron. Son Telev. (France)**  
*Techniques Electroniques Son Television* Societe des Editions Radio, 9 rue Jacob, Paris 6, France
- Tech. Gem. (Germany)**  
*Technische Gemeinschaft (Germany)* 108 Berlin, Kronenstrasse 18, Germany
- Tech. Inf. GRW (Germany)**  
*Technische Information GRW* VEB Geräte und Regler Werke, 153 Teltow, bei Berlin, Ruhlsdorfer Strasse 23, Germany
- Tech. J. Jap. Broadcast. Corp. (Japan)**  
*Technical Journal of Japan Broadcasting Corporation* Title changed to: *NHK Tech. J. (Japan)*
- Tech. Jahrb. (Switzerland)**  
*Technica Jahrbuch* E. Birkhauser, CH-4000 Basel 10, Switzerland
- Tech. Knih. (Czechoslovakia)**  
*Technicka Knihovna* Editorial address: Praha 1 Konviktska 5, Czechoslovakia
- Tech. Mitt. AEG-Telefunken (Germany)**  
*Technische Mitteilungen AEG-Telefunken* Allgemeine Elektrizitäts Gesellschaft, Hohenzollerndamm 150, 1 Berlin 33, Germany
- Tech. Mitt. Krupp Forschungsber. (Germany)**  
*Technische Mitteilungen Krupp Forschungsberichte* Fachbucherei Krupp, Postfach 917, Essen, Germany
- Tech. Mitt. Krupp Werksber. (Germany)**  
*Technische Mitteilungen Krupp Werksberichte* Friedr. Krupp GmbH, 43 Essen, Postfach 917, Germany
- Tech. Mitt. PTT (Switzerland)**  
*Technische Mitteilungen PTT (Bulletin Technique PTT, Bollettino Tecnico PTT)* Generaldirektorat PTT, Speichergasse 6, 3000 Bern, Switzerland
- Tech. Mitt. RFZ (Germany)**  
*Technische Mitteilungen des Rundfunk- und Fernsehtechnischen Zentralamtes* Agastrasse, Berlin-Aldersdorf, Germany
- Tech. Mod. (France)**  
*La Technique Moderne* Espaces, 8 rue Colonel Moll, Paris 17, France
- Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan)**  
*Technical Reports of the Engineering Research Institute of Kyoto University* Title changed to: *Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)*



- Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)**  
*Technical Reports of the Institute of Atomic Energy, Kyoto University* Formerly: *Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan)* Kyoto, Japan
- Tech. Res. Cent. Finl. Mater. & Process Technol. Publ. (Finland)**  
*Technical Research Centre of Finland Materials and Process Technology Publication* 00180 Helsinki 18, Lomrotinkatu 37, Finland
- Tech. Ueberwach. (Germany)**  
*Technische Überwachung* VDI-Verlag GmbH, Graf Recke Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany, Germany
- Technica (Switzerland)**  
*Technica* E. Birkhauser, CH-4010 Basel 10, Switzerland
- Technik (Germany)**  
*Technik* VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin, Germany
- Technion (Israel)**  
*Technion* Room 407, Senate House, Technion City Campus, Haifa, Israel
- Technol. Forecast. & Soc. Change (USA)**  
*Technological Forecasting and Social Change* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA
- Technol. Rep. Iwate Univ. (Japan)**  
*Technology Reports of the Iwate University* Faculty of Engineering, Morioka, Japan
- Technol. Rep. Kansai Univ. (Japan)**  
*Technology Reports of Kansai University* Faculty of Engineering, Kansai University, Senriyama, Suita-City, Osaka, Japan
- Technol. Rep. Kyushu Univ. (Japan)**  
*Technology Reports of the Kyushu University* Faculty of Engineering, Fukuoka, Japan
- Technol. Rep. Osaka Univ. (Japan)**  
*Technology Reports of the Osaka University* Faculty of Engineering, Osaka University, Yamada-Kami, Suita, Osaka 565, Japan
- Technol. Rep. Seikei Univ. (Japan)**  
*Technology Reports of the Seikei University* College of Technology, Seikei University, Musashino-Shi, Tokyo, Japan, Japan
- Technol. Rep. Tohoku Univ. (Japan)**  
*Technology Reports of the Tohoku University* Sendai, Japan
- Teen. Ital. (Italy)**  
*Tecnica Italiana* Via Cesare Beccaria 7, 34133 Trieste, Italy
- Tecnica (Portugal)**  
*Tecnica* Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-01, Portugal
- Tectonophysics (Netherlands)**  
*Tectonophysics* Elsevier Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Tegnikon (S. Africa)**  
*Tegnikon* Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat. Postbus 538, Pretoria, S. Africa
- Tehnika (Yugoslavia)**  
*Tehnika* Beograd, Kneza Milosa 7/11., Yugoslavia
- Tek. Tidskr. (Sweden)**  
*Teknisk Tidskrift* svenska Teknologforeningen, Box 40058, 103 42 Stockholm 40, Sweden
- Tek. Ukebl. (Norway)**  
*Teknisk Ukeblad* Norske Ingeniorforening og den Polytekniske Forening, Kronprinsensgate 17, Oslo 1, Norway
- Tekh. Kibern. (USSR)**  
*Tekhnicheskaya Kibernetika* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]
- Tekh. Kino & Telev. (USSR)**  
*Tekhnika Kino i Televideniya* Leningradskii Prospekt 47, Moskva A-167, USSR
- Tekh. Misul (Bulgaria)**  
*Tekhnicheskia Misul* Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofia, Bulgaria
- Tele (Engl. Ed.) (Sweden)**  
*Tele: Information from the Swedish Telecommunication Administration* Marbackagatan 11, S-123 86 Farsta, Sweden
- Tele (Swed. Ed.) (Sweden)**  
*Tele (Swedish Edition)* Marbackagatan 11, 123 86 Farsta, Sweden
- Telecommun. & Radio Eng. Pt. 1 (USA)**  
*Telecommunications and Radio Engineering Part 1: Telecommunications* [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, D.C. 20005, USA
- Telecommun. & Radio Eng. Pt. 2 (USA)**  
*Telecommunications and Radio Engineering, Part 2: Radio Engineering* [Translation of: *Radiotekhnika (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, D.C. 20005, USA
- Telecommun. J. (Engl. Ed.) (Switzerland)**  
*Telecommunication Journal (English Edition)* International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland
- Telecommun. J. Aust. (Australia)**  
*Telecommunication Journal of Australia* Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia
- Telecommunications (India)**  
*Telecommunications* Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India
- Telecommunications (USA)**  
*Telecommunications* 610 Washington Street, Dedham, Mass. 02026, USA
- Telecomunicazioni (Italy)**  
*Telecomunicazioni* Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy
- Telef. Rep. (Germany)**  
*Telefon Report* Formerly: *Rep. Teleph. Eng. (Germany)* Siemens AG, 8000 Munchen 25, Machtlinger Strasse 10, Postfach 700079, Germany
- Telegr. & Telef. (Netherlands)**  
*Telegraaf en Telefoon* Vereniging van Hoger Personeel der PTT. Perestraat 187, Den Haag, Netherlands
- Elektronikk (Norway)**  
*Elektronikk* Telegrafstyrets Bibliotek. Kongensgt. 21, Oslo, Norway
- Teleph. Eng. & Manage. (USA)**  
*Telephone Engineer and Management* Brookhill Division. Ojibway Press, 402 West Liberty Drive, Wheaton, Ill. 60187, USA
- Telesis (Canada)**  
*Telesis* Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario, Canada
- Teleteknik (Engl. Ed.) (Denmark)**  
*Teleteknik (English Edition)* 16 Kannikegade, DK 8000 Aarhus C, Denmark
- Telettra (Italy)**  
*Telettra* Laboratori di Telefonia Elettronica e Radio. Via Trento 30, Vimercate, Milano, Italy
- Television (France)**  
*Television* Societe des Editions Radio, 9 Rue Jacob, Paris 6, France
- Television (GB)**  
*Television* IPC Magazines Ltd., Fleetway House, Farringdon Street, London, EC4 4AD, England
- Tellus (Sweden)**  
*Tellus* Svenska Geofysiska Foreningen. Tulegatan 41, Stockholm, Sweden
- Telonde (France)**  
*Telonde* Thomson-CSF, BP 2000, 78-Versailles, France
- Teor. & Eksp. Khim. (USSR)**  
*Teoreticheskaya i Eksperimental'naya Khimiya* Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]
- Teor. & Mat. Fiz. (USSR)**  
*Teoreticheskaya i Matematicheskaya Fizika* Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]
- Teor. Veroyatn. & Primen. (USSR)**  
*Teoriya Veroyatnostei i ee Primeneniya* Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]
- Teplounergetika (USSR)**  
*Teplounergetika* Krasnokasarmennaya ul., d. 14, Moskva. E-250, USSR [English translation in: *Therm. Eng. (GB)*]
- Teplotfiz. & Teplotekh. (USSR)**  
*Teplotfizika i Teplotekhnika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Teplotfiz. Vys. Temp. (USSR)**  
*Teplotfizika Vysokikh Temperatur* Akademiya Nauk SSSR. 17 Korpus. 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]
- TESLA Electron. (Czechoslovakia)**  
*TESLA Electronics* TESLA Electronics and Telecommunications. Karlovo nam. 7, Praha 2, Czechoslovakia
- Tex. J. Sci. (USA)**  
*Texas Journal of Science* University of Texas Printing Division. Austin, Texas, USA
- Texture (GB)**  
*Texture* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London, WC2, England
- Theor. & Exp. Chem. (USA)**  
*Theoretical and Experimental Chemistry* [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau. 227 West 17th Street, New York, N.Y. 10011, USA
- Theor. & Math. Phys. (USA)**  
*Theoretical and Mathematical Physics* [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau. 227 West 17th Street, New York, N.Y. 10011, USA
- Theor. Chim. Acta (Germany)**  
*Theoretica Chimica Acta* Springer-Verlag, D-1000 Berlin 33, Heidelberg Platz 3, Germany
- Theory Probab. & Appl. (USA)**  
*Theory of Probability and its Applications* [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, Pa. 19103, USA
- Therm. Eng. (GB)**  
*Thermal Engineering* [Translation of: *Teplounergetika (USSR)*] Pergamon Press, Headington Hill Hall, Oxford, OX3, OBW, England
- Thin Films (GB)**  
*Thin Films* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England
- Thin Solid Films (Switzerland)**  
*Thin Solid Films* Elsevier Sequoia, P.O. Box 851 1001 Lausanne 1, Switzerland
- Tidskr. Dok. (Sweden)**  
*Tidskrift for Dokumentation* Tekniska Litteratursallskapet. Box 5073, 161 11 Bromma 11, Sweden
- Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR)**  
*Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika* Sakala 3, Tallinn, Estonia, USSR
- Tokyo Astron. Bull. (Japan)**  
*Tokyo Astronomical Bulletin* Tokyo Astronomical Observatory. University of Tokyo, Mitaka, Tokyo, Japan
- Tokyo Astron. Obs. Rep. (Japan)**  
*Tokyo Astronomical Observatory Report* University of Tokyo, Mitaka, Tokyo, Japan
- Tool. & Prod. (USA)**  
*Tooling and Production* Huebner Publications, 13601 Euclid Avenue, Cleveland, Ohio 44112, USA
- Toshiba Rev. (Int. Ed.) (Japan)**  
*Toshiba Review (International Edition)* Tokyo Shibaura Electric Co., 1, Komukai Toshiba-cho, Kawasaki, Japan
- Toute Electron. (France)**  
*Toute l'Electronique* Societe des Editions Radio. 9 rue Jacob, Paris 6, France
- Traffic Eng. & Control (GB)**  
*Traffic Engineering & Control* Printerhall Ltd., Morley House, 26-30 Holborn Viaduct, London, EC1A 2BP, England
- Trans. & J. Br. Ceram. Soc. (GB)**  
*Transactions and Journal of the British Ceramic Society* Shelton House, Stoke-on-Trent, England
- Trans. Am. Nucl. Soc. (USA)**  
*Transactions of the American Nuclear Society* 244 East Ogden Avenue, Hinsdale, Ill. 60521, USA
- Trans. ASME Ser. A (USA)**  
*Transactions of the ASME. Series A, Journal of Engineering for Power* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. B (USA)**  
*Transactions of the ASME. Series B, Journal of Engineering for Industry* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. C (USA)**  
*Transactions of the ASME. Series C, Journal of Heat Transfer* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

- Trans. ASME Ser. D (USA)**  
*Transactions of the ASME, Series D, Journal of Basic Engineering* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. E (USA)**  
*Transactions of the ASME, Series E, Journal of Applied Mechanics* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. F (USA)**  
*Transactions of the ASME, Series F, American Society of Mechanical Engineers*, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. G (USA)**  
*Transactions of the ASME, Series G, Journal of Dynamic Systems, Measurement and Control* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. H (USA)**  
*Transactions of the ASME, Series H, Journal of Engineering Materials and Technology* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. ASME Ser. I (USA)**  
*Transactions of the ASME, Series I, Journal of Fluids Engineering* American Society of Mechanical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
- Trans. Bose Res. Inst. (India)**  
*Transactions of the Bose Research Institute* 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India
- Trans. Faraday Soc. (GB)**  
*Transactions of the Faraday Society* 6 Gray's Inn Square, London, WC1R 5PD, England
- Trans. Inst. Chem. Eng. (GB)**  
*Transactions of the Institution of Chemical Engineers* 16 Belgrave Square, London, SW1X 8PT, England
- Trans. Inst. Electr. Eng. Jap. (Japan)**  
*Transactions of the Institute of Electrical Engineers of Japan* Denshi Tsushin Gakkai, Yuraku-cho, Chiyoda-ku, Tokyo, Japan [English translation in: *Electr. Eng. Jap. (Japan)*]
- Trans. Inst. Electron. & Commun. Eng. Jap. A (Japan)**  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A* Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)*
- Trans. Inst. Electron. & Commun. Eng. Jap. B (Japan)**  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B* Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)*
- Trans. Inst. Electron. & Commun. Eng. Jap. C (Japan)**  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C* Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)*
- Trans. Inst. Electron. & Commun. Eng. Jap. D (Japan)**  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D* Denshi Tsushin Gakkai, Kikai-Shinko-kaikan Bldg., Shiba Park 21-1-5, Minatoku, Tokyo, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)*
- Trans. Inst. Mar. Eng. (GB)**  
*Transactions of the Institute of Marine Engineers* 76 Mark Lane, London, EC3R 7JN, England
- Trans. Inst. Met. Finish. (GB)**  
*Transactions of the Institute of Metal Finishing* 178 Goswell Road, London, EC1, England
- Trans. Jap. Inst. Met. (Japan)**  
*Transactions of the Japan Institute of Metals* 1-13, 1-chome Omachi, Sendai 980, Japan
- Trans. Natl. Res. Inst. Met. (Japan)**  
*Transactions of National Research Institute for Metals* 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan
- Trans. North East Coast Inst. Eng. Shipbuild. (GB)**  
*Transactions of the North East Coast Institution of Engineers and Shipbuilders* Boibec Hall, Westgate Road, Newcastle-upon-Tyne, NE1 1TB, England
- Trans. R. Soc. Can. (Canada)**  
*Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada)* National Library, 395 Wellington Street, Ottawa 4, Canada. University of Toronto Press, Toronto 5, Ontario
- Trans. S. Afr. Inst. Civ. Eng. (S. Africa)**  
*Transactions of the South African Institution of Civil Engineers* Kelvinhuis, Hollandstraat 2, Johannesburg, Postbus 61019, South Africa
- Trans. S. Afr. Inst. Electr. Eng. (S. Africa)**  
*Transactions of the South African Institute of Electrical Engineers* Kelvin Publications, Loveday Street, P.O. Box 2988, Johannesburg, South Africa
- Trans. Soc. Instrum. & Control Eng. (Japan)**  
*Transactions of the Society of Instrument and Control Engineers* Keisoku Kaikan, 20 Kotohira-cho Shiba, Minato-ku, Tokyo, Japan
- Trans. Soc. Rheol. (USA)**  
*Transactions of the Society of Rheology* Interscience Publishers, 605 Third Avenue, New York, N.Y. 10016, USA
- Translektro News (Hungary)**  
*Translektro News* Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary
- Transm. & Distrib. (USA)**  
*Transmission and Distribution* Cleworth Publishing Co., One River Road, Cos Cob, Conn. 16807, USA
- Transp. Plann. & Technol. (GB)**  
*Transport Planning and Technology* Gordon and Breach Science Publications Ltd. 41-42 William IV Street, London, WC2, England
- Transp. Sci. (USA)**  
*Transportation Science* Operations Research Society of America, 428 East Preston Street, Baltimore, Md. 21202, USA
- Transp. Theory & Stat. Phys. (USA)**  
*Transport Theory and Statistical Physics* Marcel Dekker Inc., 95 Madison Avenue, New York, N.Y. 10016, USA
- Tribology (GB)**  
*Tribology* IPC Science and Technology Press Ltd., 32 High Street, Guildford, Surrey, England
- Tud. & Musz. Tajek. (Hungary)**  
*Tudományos és Muszaki Tajekoztatás* Országos Muszaki Könyvtár és Dokumentációs Központ, Budapest VIII, Múzeum utca 17, Hungary
- UAR J. Phys.**  
*United Arab Republic Journal of Physics* National Information & Documentation Centre, Al-Tahreer Street, Dokki, Cairo, UAR
- Ukr. Fiz. Zh. (USSR)**  
*Ukrayins'kyi Fizychnyi Zhurnal* 'Naukova Dumka', Kiev, Repina 3, USSR
- Ultrasonics (GB)**  
*Ultrasonics* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Umsch. Wiss. & Tech. (Germany)**  
*Umschau in Wissenschaft und Technik* Umschau Verlag, Stuttgarter Strasse 18-24, 6 Frankfurt am Main, Germany
- Undersea Technol. (USA)**  
*Undersea Technology* Title changed to: *Sea Technol. (USA)*
- Underwater J. & Inf. Bull. (GB)**  
*Underwater Journal and Information Bulletin* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey, England
- Unesco Bull. Libr. (France)**  
*Unesco Bulletin for Libraries* United Nations Educational, Scientific and Cultural Organization, Place de Fontenoy, 75 Paris-7 France
- Union Burma J. Sci. & Technol.**  
*Union of Burma Journal of Science and Technology* Union of Burma Applied Research Institute, Yankin P.O., Rangoon, Burma
- Unternehmensforschung (Germany)**  
*Unternehmensforschung* Physica-Verlag, Rudolph Liebing KG, D 87 Würzburg 2, Werner von Siemens Str. 5, Germany. Now published in two parts: Z. Oper. Res. A and B
- Usp. Fiz. Nauk (USSR)**  
*Uspekhi Fizicheskii Nauk* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]
- USSR Comput. Math. & Math. Phys. (GB)**  
*U.S.S.R. Computational Mathematics and Mathematical Physics* [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, USSR
- UV Spectrom. Group Bull. (GB)**  
*UV Spectrometry Group Bulletin* Formerly: *Photoelectr. Spectrom. Group Bull. (GB)* c/o Pye Unicam Ltd., York Street, Cambridge, CB1 2PX, England
- Vac News (India)**  
*Vac News* Indian Vacuum Society. K.N.Jha, Technical Physics Division, Bhabha Atomic Research Centre, Bombay-4000 085, India
- Vacuum (GB)**  
*Vacuum* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Vak.-Tech. (Germany)**  
*Vakuum-Technik* Rudolf A. Lang Verlag, 62 Wiesbaden, Bismarckplatz 36, Germany
- VDE Fachber. (Germany)**  
*VDE Fachberichte* Verband Deutscher Elektrotechniker, Bismarckstrasse 33, Berlin-Charlottenburg 2, Germany
- VDI Z. (Germany)**  
*VDI Zeitschrift* Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Düsseldorf 1, Germany
- Veh. Syst. Dyn. (Netherlands)**  
*Vehicle System Dynamics* Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands
- Verh. Dtsch. Phys. Ges. (Germany)**  
*Verhandlungen der Deutschen Physikalischen Gesellschaft* 645 Hanau, Herausstrasse 9, Germany
- Verh. K. Acad. Wet. Lett. & Schone Kunsten Belg. (Belgium)**  
*Verhandelingen van de Koninklijke Academie voor Wetenschappen, Letteren en Schone Kunsten van België* Paleis der Academiën, Hertogstraat 1, Bruxelles, Belgium
- Verkstäderna (Sweden)**  
*Verkstäderna* Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden
- Vermess.-Inf. (Germany)**  
*Vermessungs-Informationen (Surveying News)* VEB Carl Zeiss JENA, DDR-69 Jena (Thür.), Carl Zeiss Strasse 1, Germany
- Vestn. Leningr. Univ. Fiz. & Khim. (USSR)**  
*Vestnik Leningradskogo Universiteta—Fizika i Khimiya* Leningrad University Press, Universitetskaya Nab. 7/9, Leningrad B-164, USSR
- Vestn. Leningr. Univ. Ser. Mat. Mekh. & Astron. (USSR)**  
*Vestnik Leningradskogo Universiteta Seriya: Matematika, Mekhanika i Astronomiya* Universitetskaya Nab. 7/9, Leningrad B-164, USSR
- Vestn. Mashinostr. (USSR)**  
*Vestnik Mashinostroeniya* Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR [English translation in: *Russ. Eng. J. (GB)*]
- Vestn. Mosk. Univ. Fiz. Astron. (USSR)**  
*Vestnik Moskovskogo Universiteta—Fizika, Astronomiya* Moskva K-9, Ulitsa Gertsena 5/7, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]
- Vestn. Mosk. Univ. Mat. Mekh. (USSR)**  
*Vestnik Moskovskogo Universiteta. Matematika, Mekhanika* Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ulitsa Gertsena Dom 5/7, USSR
- Vestsi Akad. Navuk BSSR Ser. Fiz. Energ. Navuk**  
*Vestsi Akademii Navuk BSSR. Seriya Fizika Energetychnykh Navuk* 'Navuk i Tekhnika', Leninski Prospekt 68, Minsk, USSR
- Vide (France)**  
*Le Vide* Societe Francaise des Ingenieurs et Techniciens du Vide, 19 rue du Renard, 75 Paris 4, France
- Villamossag (Hungary)**  
*Villamossag* Lapkiado Vallalat, Lenin korut 9-11, Budapest VII, Hungary, Hungary
- Visible Lang. (USA)**  
*Visible Language* c/o Cleveland Museum of Art, Cleveland, Ohio 44106, USA
- Vision Res. (GB)**  
*Vision Research* Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England



- Vrashchenie & Prilivnye Deform. Zemli (USSR)**  
*Vrashchenie i Prilivnye Deformatsii Zemli* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Vychisl. Metody & Program. (USSR)**  
*Vychislitel'nye Metody i Programirovanie* Izdatel'stvo Moskovskogo Universiteta, Moskva, K-9, Ul. Gertsena d. 5/7, USSR
- Vysokomol. Soedin. A (USSR)**  
*Vysokomolekulyarnye Soedineniya, Seriya A* Akademiya Nauk USSR, Leningkiy Prospekt, Moskva, USSR [English translation in: *Polym. Sci. USSR (USA)*]
- Waerme (Germany)**  
*Warme* Adelheidstrasse 28, 8 Munich 13, Germany
- Waerme- & Stoffuebertrag. (Germany)**  
*Warme- und Stoffuebertragung* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
- Water Power (GB)**  
*Water Power* IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England
- Water Resour. Res. (USA)**  
*Water Resources Research* American Geophysical Union, 1707 L Street, N.W., Washington, D.C. 20036, USA
- Water, Air & Soil Pollut. (Netherlands)**  
*Water, Air and Soil Pollution* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Wear (Switzerland)**  
*Wear* Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland
- Weather (GB)**  
*Weather* Cromwell House, High Street, Bracknell, Berks. RG12 1DP, England
- Wedl. Des. & Fabr. (USA)**  
*Welding Design and Fabrication* Industrial Publishing Co., 614 Superior Avenue, W., Cleveland, Ohio 44113, USA
- Wehrtechnik (Germany)**  
*Wehrtechnik* Verlag Wehr und Wissen, Verlagsgesellschaft mbH, 61 Darmstadt, Schofferstrasse 15, Germany
- Weld. & Met. Fabr. (GB)**  
*Welding and Metal Fabrication* Iliffe Specialist Publications, Dorset House, Stamford Street, London, SE1, England
- Weld. Eng. (USA)**  
*Welding Engineer* Jefferson Publications Inc., 600 South Seventh Street, Rochelle, Ill. 61068, USA. Editorial address: 5811 Dempster Street, Morton Grove, Ill. 60053
- Weld. Prod. (GB)**  
*Welding Production* [Translation of: *Svar. Proizvod. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge, England
- Werkstatt & Betr. (Germany)**  
*Werkstatt und Betrieb* Carl Hanser Zeitschriftenverlag GmbH, 8 Munchen 27, Kolbergerstrasse 22, Germany
- Werkstattstechnik (Germany)**  
*Werkstattstechnik* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- Western Electric Eng. (USA)**  
*Western Electric Engineer* Western Electric Co., 195 Broadway, New York, N.Y. 10007, USA
- Westinghouse Eng. (USA)**  
*Westinghouse Engineer* P.O. Box 2278, 3 Gateway Center, Pittsburgh, Pa. 15230, USA
- Wiad. Elektrotech. (Poland)**  
*Wiadomosci Elektrotechniczne* Wydawnictwa Czasopism Technicznych N.O.T., 00-001 Warszawa 1, Poland
- Wiad. Telekomun. (Poland)**  
*Wiadomosci Telekomunikacyjne* Editorial address: Warszawa, Kazimierzowska 52, Poland
- Wire World Int. (Germany)**  
*Wire World International* Jahnstrasse 36, D-4 Dusseldorf, Germany
- Wireless World (GB)**  
*Wireless World* IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England
- Wiss. Ber. AEG-Telefunken (Germany)**  
*Wissenschaftliche Berichte AEG-Telefunken* Elitera Verlag, 1 Berlin 33 (Grunewald), Fritz-Wildungstrasse 22, Germany
- Wiss. Z. Friedrich-Schiller Univ. Jena, Math. Naturwiss. Reihe (Germany)**  
*Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe* Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany
- Wiss. Z. Humboldt-Univ. Berl. Math.-Naturwiss. Reihe (Germany)**  
*Wissenschaftliche Zeitschrift der Humboldt-Universitaet zu Berlin. Mathematisch-Naturwissenschaftliche Reihe* 108 Berlin, Unter den Linden 6, Germany
- Wiss. Z. Karl-Marx-Univ. Leipz. Math.-Naturwiss. Reihe (Germany)**  
*Wissenschaftliche Zeitschrift Karl-Marx-Universitaet Leipzig, Mathematisch-Naturwissenschaftliche Reihe* 701 Leipzig, Ritterstrasse 14, Germany
- Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg (Germany)**  
*Wissenschaftliche Zeitschrift der Martin-Luther-Universitaet Halle-Wittenberg* 401 Halle (Saale), August-Bebel-Strasse 13, Germany
- Wiss. Z. Tech. Hochsch. Chem. 'Carl Schorlemmer' Leuna-Merseburg (Germany)**  
*Wissenschaftliche Zeitschrift der Technischen Hochschule fur Chemie 'Carl Schorlemmer' Leuna-Merseburg* 42 Merseburg, Geusaer Strasse, Germany
- Wiss. Z. Tech. Hochsch. Ilmenau (Germany)**  
*Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau* Strasse der Jungen Techniker 21, Ilmenau, Germany
- Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)**  
*Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt* Friedrich-Engels Strasse 85, Karl-Marx-Stadt, Germany
- Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany)**  
*Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg* Boleslav-Beirut-Platz 5, Magdeburg, Germany
- Wiss. Z. Tech. Univ. Dres. (Germany)**  
*Wissenschaftliche Zeitschrift der Technischen Universitaet Dresden* Mommsenstrasse 13, Dresden A227, Germany
- Wiss. Z. Univ. Rostock. Ges. & sprachwiss. Reihe (Germany)**  
*Wissenschaftliche Zeitschrift der Universitaet Rostock. Gesellschafts- und Sprachwissenschaftliche Reihe* Rostock, Vogelsang 13/14, Germany
- Work Study & Manage. Serv. (GB)**  
*Work Study & Management Services* Institute of Work Study Practitioners, 9/10 River Front, Enfield, Middx. EN1 3TE, England
- WSW Tech. Ber. (Austria)**  
*WSW Technische Berichte* Siemens und Halske, Wiener Schwachstrom Werke, Apostelgasse 12, 1031 Wien, Austria
- X-Ray Focus (GB)**  
*X-Ray Focus* Ilford Ltd., Tavistock Square, London, WC1, England
- Yad. Fiz. (USSR)**  
*Yadernaya Fizika* Ulitsa Vavilova 44, Korp 2, Moskva V-333, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]
- Yogyo-Kyokai-Shi (Japan)**  
*Yogyo-Kyokai-Shi (Journal of the Ceramic Society of Japan)* 22-17, 2-chome, Hyakunin-cho, Shinjuku-ku, Tokyo 160, Japan
- Z. Allg. Wissenschaftstheor. (Germany)**  
*Zeitschrift fur Allgemeine Wissenschaftstheorie (Journal for General Philosophy of Science)* Franz Steiner Verlag, 6200 Wiesbaden, Bahnhofstrasse 39, Postfach 743, Germany
- Z. Angew. Math. & Mech. (Germany)**  
*Zeitschrift fur angewandte Mathematik und Mechanik* Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany
- Z. Angew. Math. & Phys. (Switzerland)**  
*Zeitschrift fur angewandte Mathematik und Physik* Verlag Birkhauser, Postfach 4000, Basel 24, Switzerland
- Z. Angew. Phys. (Germany)**  
*Zeitschrift fur angewandte Physik* Title changed to: *Appl. Phys. (Germany)*
- Z. Anorg. & Allg. Chem. (Germany)**  
*Zeitschrift fur Anorganische und Allgemeine Chemie* Johann Ambrosius Barth, DDR-1199 Leipzig, Bruhl 34-40, Germany
- Z. Datenverarb. (Germany)**  
*Zeitschrift fur Datenverarbeitung* Title changed to: *Online (Germany)*
- Z. Eisenbahnwes. & Verkehrstechn. (Glaser's Ann.) (Germany)**  
*Zeitschrift fur Eisenbahnwesen und Verkehrstechnik (Glaser's Annalen)* Formerly: *Glaser's Ann. (Germany)* Georg Siemens Verlagsbuchhandlung, 1 Berlin 30, Lutzstrasse 105/106, Germany
- Z. Elektr. Inf. & Energietechn. (Germany)**  
*Zeitschrift fur Elektrische Informations- und Energietechnik* Akademische Verlagsgesellschaft Geest & Portig K.G., DDR 701 Leipzig, Sternwartenstrasse 8, Germany, Formerly: Hochfrequenztech. & Elektroakust. (Germany) and Wiss. Z. Elektrotech. (Germany)
- Z. Flugwiss. (Germany)**  
*Zeitschrift fur Flugwissenschaften* Verlag Vieweg & Sohn GmbH, 33 Braunschweig, Burgplatz 1, Germany
- Z. Geophys. (Germany)**  
*Zeitschrift fur Geophysik* Physica-Verlag, Werner von Siemens Strasse 5, Wurzburg 87, Germany
- Z. Kristallogr. (Germany)**  
*Zeitschrift fur Kristallographie* Akademische Verlagsgesellschaft, 6 Frankfurt am Main, Cronstettenstrasse 6 a, Germany
- Z. Math. Logik & Grundlagen Math. (Germany)**  
*Zeitschrift fur Mathematische Logik und Grundlagen der Mathematik* Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany
- Z. Metallk. (Germany)**  
*Zeitschrift fur Metallkunde* Dr. Riederer-Verlag GmbH., D-7 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany
- Z. Naturforsch. a (Germany)**  
*Zeitschrift fur Naturforschung (a): Astrophysik, Physik und physikalische Chemie* 7082, Oberkochen, Lenghalde 21, Germany
- Z. Oper. Res. A. (Germany)**  
*Zeitschrift fur Operations Research, Serie A: Theorie* Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany
- Z. Oper. Res. B (Germany)**  
*Zeitschrift fur Operations Research, Serie B: Praxis* Physica-Verlag Rudolf Liebing KG, D-87 Wurzburg 2, Werner von Siemens Strasse 5, Germany
- Z. Organ. (Germany)**  
*Zeitschrift fur Organisation* Betriebswirtschaftlicher Verlag Dr. Th. Gabler GmbH, 62 Wiesbaden, Taunusstrasse 54, Germany
- Z. Phys. (Germany)**  
*Zeitschrift fur Physik* Springer-Verlag, Heidelberger Platz 3, 1 Berlin 31 (Wilmsdorf), Germany
- Z. Phys. Chem., Frankfurt (Germany)**  
*Zeitschrift fur physikalische Chemie. Neue Folge* Akademische Verlagsgesellschaft, Cronstettenstrasse 6a, 6 Frankfurt am Main, Germany
- Z. Phys. Chem., Leipzig (Germany)**  
*Zeitschrift fur physikalische Chemie* Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany
- Z. Vermessungswes. (Germany)**  
*Zeitschrift fur Vermessungswesen* Verlag Konrad Wittwer, 7000 Stuttgart 1, Nordbahnhofstrasse 16, Postfach 147, Germany
- Z. Wahrscheinlichkeitstheor. & Verw. Geb. (Germany)**  
*Zeitschrift fur Wahrscheinlichkeitstheorie und verwandte Gebiete* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
- Z. Wiss. Mikrosk. & Mikrosk. Tech. (Germany)**  
*Zeitschrift fur Wissenschaftliche Mikroskopie und mikroskopische Technik* S. Hirzel Verlag, Stuttgart, Germany
- Zagadnienia Drgan Nieliniowych (Poland)**  
*Zagadnienia Drgan Nieliniowych (Nonlinear Vibration Problems)* Warszawa, Swietokrzyska 21, Room 335, Poland
- Zavod. Lab. (USSR)**  
*Zavodskaya Laboratoriya* 2-i, Obyedenskii per., d. 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]
- Zeiss Inf. (Germany)**  
*Zeiss Information* Carl Zeiss, Oberkochen/Wurttemberg, Germany
- Zeiss Mitt. (Germany)**  
*Zeiss Mitteilungen* Carl Zeiss, 7082 Oberkochen/Wurttemberg, Postfach 35/36, Germany

**Zesz. Nauk. Politech. Lodz. Elektr. (Poland)**

*Zeszyty Naukowe Politechniki Lodzkiej Elektryka* Redakcja  
Wydawnictw Naukowych Politechniki Lodzkiej, Lodz. Ul. Gdanska 155.  
Poland

**Zh. Eksp. & Teor. Fiz. (USSR)**

*Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki* Akademiya Nauk SSSR,  
Leninskii Prosp. 14, Moskva Editorial address: Varob'evskoe Shosse 2,  
Moskva V-334, USSR [English translation in: *Sov. Phys.-JETP (USA)*]

**Zh. Eksp. & Teor. Fiz. Pis'ma (USSR)**

*Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki. Pis'ma v Redaktsiyu*  
Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva Editorial address:  
Varob'evskoe Shosse 2, Moskva V-334, USSR [English translation in:  
*JETP Lett. (USA)*]

**Zh. Nauchn. & Prikl. Fotogr. & Kinematogr. (USSR)**

*Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii* Izdatel'stvo  
'Nauka', Moskva, USSR

**Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)**

*Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki* Sovetskaya 20,  
Novosibirsk, USSR [English translation in: *J. Appl. Mech. & Tech. Phys.*  
(USA)]

**Zh. Prikl. Spektrosk. (USSR)**

*Zhurnal Prikladnoi Spektroskopii* Editorial address: Institut Fiziki AN  
BSSR, Leninskii Prosp. 70, Minsk GSP, USSR [English translation in: *J.*  
*Appl. Spectrosc. (USA)*]

**Zh. Strukt. Khim. (USSR)**

*Zhurnal Strukturnoi Khimii* Editorial address: Director, Institute of Inor-  
ganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR  
[English translation in: *J. Struct. Chem. (USA)*]

**Zh. Tekh. Fiz. (USSR)**

*Zhurnal Tekhnicheskoi Fiziki* Akademiya Nauk SSSR, Leninskii prosp. 14,  
Moskva, USSR [English translation in: *Sov. Phys.-Tech. Phys. (USA)*]

**Zh. Vychisl. Mat. & Mat. Fiz. (USSR)**

*Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki* Akade-  
miya Nauk SSSR, Leninskii Prosp. 14, Moskva. Editorial address: ul. Vavi-  
lova 28, Moskva V-333, USSR [English translation in: *USSR Comput.*  
*Math. & Math. Phys. (GB)*]



# JOURNALS ABSTRACTED COMPLETELY

Selection of articles from any journal included in the list of Journals depends on the subject of the articles and their quality.

A number of these journals however are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are regularly abstracted. These journals are listed below.

## Journals abstracted completely in Physics Abstracts

- |   |  |                                 |
|---|--|---------------------------------|
| Acta Crystallogr. A (Denmark)             | Icarus (USA)                           | Opt. Acta (GB)                  |
| Acta Metall. (USA)                        | IEEE Trans. Nucl. Sci. (USA)           | Optik (Germany)                 |
| Acta Phys. Austriaca                      | Indian J. Phys.                        | Part. Accel. (GB)               |
| Acta Phys. Acad. Sci. Hung. (Hungary)     | Indian J. Pure & Appl. Phys.           | Philos. Mag. (GB)               |
| Acta Phys. Pol. A (Poland)                | Indian J. Theor. Phys.                 | Phys. Fenn. (Finland)           |
| Acta Phys. Pol. B (Poland)                | Int. J. Magn. (GB)                     | Phys. Fluids (USA)              |
| Acustica (Germany)                        | Int. J. Solids & Struct. (GB)          | Phys. Kondens. Mater. (Germany) |
| Adv. Phys. (GB)                           | Int. J. Theor. Phys. (GB)              | Phys. Lett. A (Netherlands)     |
| Akust. Zh. (USSR)                         | Izv. Akad. Nauk SSSR Ser. Fiz.         | Phys. Lett. B (Netherlands)     |
| Am. J. Phys. (USA)                        | Izv. VUZ Fiz. (USSR)                   | Phys. Norv. (Norway)            |
| Ann. Inst. Henri Poincaré A (France)      | J. Acoust. Soc. Am. (USA)              | Phys. Rev. A (USA)              |
| Ann. Phys. (France)                       | J. Appl. Crystallogr. (Denmark)        | Phys. Rev. B (USA)              |
| Ann. Phys. (Germany)                      | J. Appl. Phys. (USA)                   | Phys. Rev. C (USA)              |
| Ann. Phys. (USA)                          | J. Atmos. & Terr. Phys. (GB)           | Phys. Rev. D (USA)              |
| Appl. Opt. (USA)                          | J. Chem. Phys. (USA)                   | Phys. Rev. Lett. (USA)          |
| Appl. Phys. (Germany)                     | J. Cryst. Growth (Netherlands)         | Phys. Scr. (Sweden)             |
| Appl. Phys. Lett. (USA)                   | J. Math. Phys., New York (USA)         | Phys. Status Solidi a (Germany) |
| Astrofizika (USSR)                        | J. Mol. Spectrosc. (USA)               | Phys. Status Solidi b (Germany) |
| Astron. & Astrophys. (Germany)            | J. Opt. Soc. Am. (USA)                 | Physica (Netherlands)           |
| Astron. J. (USA)                          | J. Phys. (France)                      | Plasma Phys. (GB)               |
| Astrophys. & Space Sci. (Netherlands)     | J. Phys. A (GB)                        | Prog. Theor. Phys. (Japan)      |
| Astrophys. J. (USA)                       | J. Phys. B (GB)                        | Rep. Prog. Phys. (GB)           |
| Astrophys. J. Lett. Ed. (USA)             | J. Phys. C (GB)                        | Rev. Mex. Fis. (Mexico)         |
| Astrophys. J. Suppl. (USA)                | J. Phys. D (GB)                        | Rev. Mod. Phys. (USA)           |
| Astrophys. Lett. (GB)                     | J. Phys. F (GB)                        | Rev. Roum. Phys. (Rumania)      |
| Aust. J. Phys. (Australia)                | J. Phys. & Chem. Solids (GB)           | Scr. Metall. (USA)              |
| C. R. Hebd. Seances Acad. Sci. B (France) | J. Phys. Soc. Jap. (Japan)             | Solid State Commun. (USA)       |
| Can. J. Phys. (Canada)                    | J. Plasma Phys. (GB)                   | Sov. Astron. AJ (USA)           |
| Chem. Phys. Lett. (Netherlands)           | Jap. J. Appl. Phys. (Japan)            | Sov. Phys. - Acoust. (USA)      |
| Chin. J. Phys. (Taiwan)                   | JETP Lett. (USA)                       | Sov. Phys. - Crystallogr. (USA) |
| Comput. Phys. Commun. (Netherlands)       | Lett. Nuovo Cimento (Italy)            | Sov. Phys. - Dokl. (USA)        |
| Cosmic Electrodyn. (Netherlands)          | Mol. Phys. (GB)                        | Sov. Phys. - JETP (USA)         |
| Cryst. Lattice Defects (GB)               | Mon. Not. R. Astron. Soc. (GB)         | Sov. Phys. - Semicond. (USA)    |
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ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ë	R	Ё ё	sht	B	Ъ ъ
é	R	Э э	t	R S B	Т т
ê	R B	Ѣ ѣ	t'	R B	Ѥ ѥ
f	R S B	Ф ф	t'	S	Ѧ ѧ
g	R S B	Г г	th	R	Ѩ ѩ
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	Ѧ ѧ
ï	R B	Й й	u	R S B	У у
j	S	Ј ј	ū	B	Ѧ ѧ
j'	S	Ѣ ѣ	ū	B	Ѩ ѩ
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	Ј ј
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	Љ љ	ÿ	R	Ѧ ѧ
l'	S	Љ љ	ya	R B	Я я
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	НЬ нь	zh	R S B	Ж ж
n'	S	НЬ нь	'	R	Ѧ ѧ
o	R S B	О о	'	R B	Ѧ ѧ

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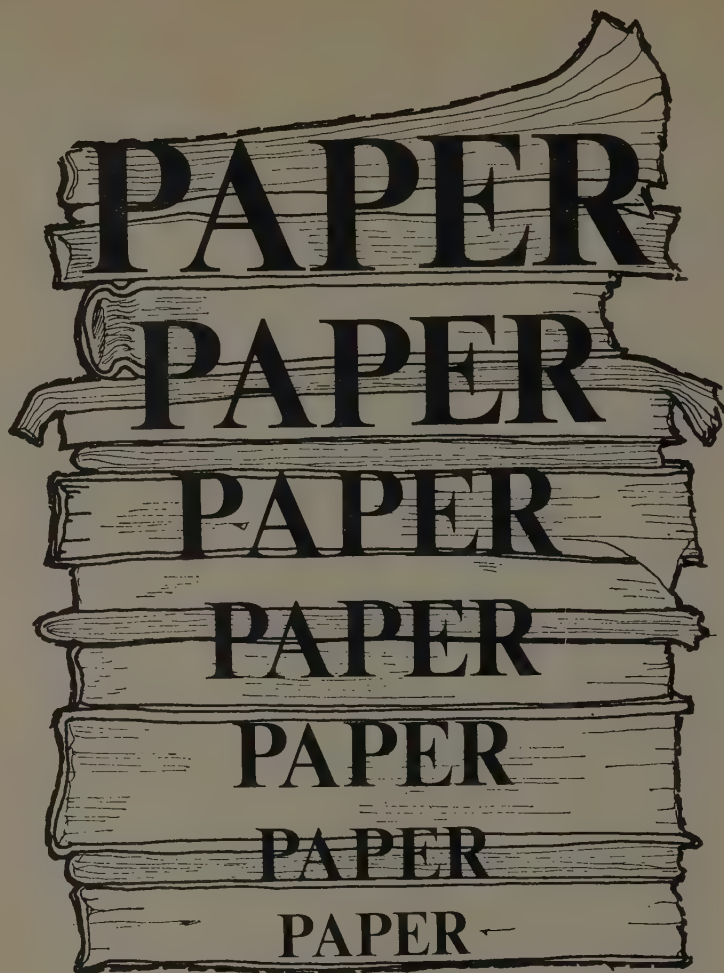
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